2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

MISSISSIPPI POWER COMPANY

PLANT WATSON FORMER CCR UNIT



Report Submitted – August 1, 2025

Prepared By:

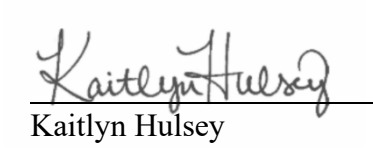
Southern Company Services

Earth Science and Environmental Engineering



CERTIFICATION STATEMENT

This *Annual Groundwater Monitoring and Corrective Action Report, Mississippi Power Company - Plant Jack Watson – former CCR Unit* has been prepared in compliance with the United States Environmental Protection Agency (EPA) Coal Combustion Residual (CCR) Rule (40 Code of Federal Regulations [CFR] 257 Subpart D; published in 80 FR 21302-21501, April 17, 2015) and the Administrative Order signed on December 23, 2019 between the Mississippi Commission on Environmental Quality and Mississippi Power Company under the supervision of a licensed professional geologist with Southern Company Services.



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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) Coal Combustion Residual (CCR) Rule (40 CFR Part 257, Subpart D) and Mississippi Commission on Environmental Quality (MCEQ) Administrative Order No. 7010-19, this *2025 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document semi-annual assessment groundwater monitoring activities at the Plant Watson former CCR Unit (former CCR Unit) and to satisfy the requirements of § 257.90(e). Semi-annual assessment monitoring and associated reporting for the former CCR Unit is performed in accordance with the monitoring requirements § 257.90 through § 257.95. The CCR Unit began the monitoring period in assessment monitoring pursuant to § 257.95. Statistically significant increases (SSI) of Appendix III constituents over background were identified in the results of the first detection monitoring event, and assessment monitoring was initiated in August 2019.

The following summarizes activities related to groundwater monitoring at the site during the 2025 monitoring period:

- Conducted the first and second semi-annual sampling event during October 2024 and April 2025 in all background, downgradient and surface water monitoring locations.
- Continued optimization of the temporary groundwater remedy and enhanced source control system.
- Initiated treatability studies designed to immobilize certain Statistically Significant Levels (SSLs) constituents observed in APMW-3, APMW-5, and APMW-6R.
- Continued updating the Monitored Natural Attenuation Evaluation, completed in 2022, as new site data is collected. Results indicate attenuation and decreasing temporal trends of SSLs in compliance wells at the site. Exceptions were monitoring wells APMW-5 and APMW-6R on the east side of the former CCR unit where temporal trends are more variable, along with recent data trends in APMW-3.
- Submitted the Semi-Annual Remedy Selection and Design Progress Reports on September 30, 2024 and March 31, 2025.
- Submitted Semi-Annual Progress Reports on September 30, 2024 and March 31, 2025, in accordance with the requirements of Part 3. E. of Administrative Order No. 7010-19.

To meet the requirements of 40 CFR 257.90(e)(6), the **Executive Summary Table – Monitoring Period Summary**, describes the status of groundwater monitoring and corrective action during the monitoring period for this report.

The former CCR Unit concluded the monitoring period in assessment monitoring, and Mississippi Power Company (MPC) is evaluating potential groundwater remedies identified in the ACM report. The following monitoring-related activities are currently planned for the next monitoring period at the former CCR Unit:

- Semi-annual groundwater assessment monitoring, including sampling of horizontal and vertical delineation locations.
- Conclude treatability studies to assess potential remedies at locations APMW-3, APMW-5, and APMW-6R.
- Continued optimization of the temporary groundwater remedy and enhanced source control system.
- Develop a groundwater monitoring plan to assess performance of the temporary groundwater remedy.
- Submit Semi-Annual Remedy Selection and Design Progress Reports by September 30, 2025 and March 31, 2026.
- Submit Semi-Annual Progress Reports by September 30, 2025 and March 31, 2026.
- Submit the *2026 Annual Groundwater and Corrective Action Report* by August 1, 2026.

Executive Summary Table.
Monitoring Period Summary
Plant Watson - Former CCR Unit

Assessment Monitoring Initiated:	August 2019
Monitoring Period:	July 2024 - June 2025
Beginning Status:	Assessment
Ending Status:	Assessment

Statistical Analysis Results (Note 1)

Appendix III SSIs

Parameter	Wells
Boron	APMW-1R, APMW-2, APMW-5, APMW-6R, APMW-8, APMW-9
Calcium	APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9
Chloride	APMW-3, APMW-5
Fluoride	APMW-10
pH	APMW-2, APMW-6R
Sulfate	APMW-3
TDS	APMW-3, APMW-5

Appendix IV SSLs

Parameter	Wells
Arsenic (Note 2)	APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, APMW-10
Barium (Note 2)	APMW-2
Lithium (Note 2)	APMW-3, APMW-4, APMW-4D, APWM-5, APMW-6R, APMW-8
Molybdenum (Note 2)	APMW-4D, APMW-6R
Combined Radium 226 + 228 (Note 2)	APMW-1R, APMW-2, APMW-4D, APMW-7, APMW-9

Assessment of Corrective Measures & Groundwater Remedy

Assessment of Corrective Measures

Date Initiated:	March 15, 2020
Date Complete:	August 11, 2020
Public Meeting Date:	Not Determined

Groundwater Remedy

Selected During Period:	No
Selection Date:	Not yet selected
Initiated During Period:	No
Ongoing During Period:	No

Notes:
1. See the attached report for further details regarding statistical exceedances.
2. See the attached report for further details regarding alternate source demonstrations and vertical delineation

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1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (EPA) Coal Combustion Residual (CCR) Rule (40 C.F.R. Part 257 Subpart D) and the Mississippi Commission on Environmental Quality (MCEQ) Administrative Order Number 7010 19, this *2025 Annual Groundwater Monitoring and Corrective Action Report* documents the groundwater monitoring activities completed from July 2024 through June 2025 at Mississippi Power Company's (MPC) Plant Jack Watson Electric Generating Plant (Plant Watson) Ash Pond (former CCR Unit). Semi-annual assessment monitoring and associated reporting for the former CCR Unit is performed in accordance with the monitoring requirements § 257.90 through § 257.95.

1.1 Site Description & Background

The former CCR Unit ceased receiving CCR in April 2015 and closure was complete in May 2018. As part of closure, the former CCR Unit was dewatered sufficiently to remove the free liquids. The CCR material remaining in the former CCR Unit was graded and a final cover system installed. The final cover system consists of ClosureTurf cover system by WatershedGeo that utilizes a 50-millimeter linear low-density polyethylene (LLDPE) geomembrane overlain by an engineered synthetic turf. The cover system was constructed to control, minimize or eliminate, to the maximum extent feasible, the infiltration of water into the former CCR Unit by providing sufficient grades and slopes to promote surface runoff from the site. The permeability of the final cover system is less than the permeability of the natural soils beneath the former unit and not greater than 1 x 10^{-5} centimeters/second (cm/s).

The former CCR Unit is inactive and ceased operation prior to April 17, 2015. A notification of intent to close the former CCR Unit was placed in the operating record on December 15, 2015 and posted to the internet within 30 days. The former CCR Unit was closed in May 2018 and the Certification of Closure was posted to the internet on June 4, 2018. Groundwater monitoring and reporting for the former CCR Unit is being completed in accordance with the alternate schedule in § 257.100(e)(5) of the revised CCR Rule (August 5, 2016) and the Administrative Order.

2.0 REGIONAL GEOLOGY & HYDROGEOLOGIC SETTING

2.1 Site Location and Physical Setting

Plant Watson is located in Harrison County within the City of Gulfport, Mississippi. The physical address of the plant is 10406 Lorraine Road, Gulfport, Mississippi 39503. The former CCR Unit is southeast of the plant and west of the Biloxi River. **Figure 1, Site Location Map,** shows Plant Watson, the former CCR Unit, and the surrounding area. Harrison County, Mississippi, lies within the Eastern Section of the Gulf Coastal Plain physiographic province (USGS, 1998). The topography of Harrison County is gently rolling hills to flat with elevations ranging from 200 feet above mean sea level (MSL) inland to approximately 0 feet MSL near the coastal waterbodies (USGS, 1985). Local site elevations near the former CCR Unit are between 5 and 25 feet MSL.

2.2 Geology and Hydrogeology

The subsurface geology at the site is characterized by clay, silt, and sand deposited between the Pliocene and Holocene Series. This sequence of sediments has been subdivided, from oldest to youngest, into the units of Upper Graham Ferry Member of the Pensacola Formation, Citronelle Formation, Biloxi Formation, Prairie Formation, and Holocene coastal wetland, deltaic, and alluvium deposits (Otvos, 2001). The unconsolidated sediment at the site is underlain by Pliocene and Miocene sedimentary rocks at depths greater than -500 feet MSL (USGS, 1998; Hoffmann et al, 2017).

At the Site, four geologic units have been encountered surrounding and underlying the former CCR Unit and are described from shallowest to deepest as follows:

- Unit 1 is dike fill material comprising the dike along the perimeter of the former CCR Unit with a thickness ranging from 0 to 20 feet.
- Unit 2 is a sandy clay to clay aquitard underlying the former CCR Unit. The unit corresponds to the Biloxi Formation and ranges from 5 to 20 feet thick. Permeability testing conducted on Unit 2 soils indicate a permeability between 1 x 10^{-7} to 10^{-9} cm/s.
- Unit 3 is a fluvial sand aquifer corresponding to the Citronelle Formation. The unit is typically between 30 to 50 feet thick. Unit 3 is the uppermost aquifer at the site.

- Unit 4 is a clay aquitard underlying the Unit 3 aquifer and is continuous across the site. Unit 4 corresponds to the Upper Graham Ferry Formation. Permeability testing conducted on Unit 4 clays indicates a permeability in the 1 x 10^{-8} cm/s range.

Site monitoring wells are screened in the uppermost aquifer beneath the site in the Unit 3 sands corresponding to the Citronelle Formation. The Unit 3 sand aquifer generally consists of fine to coarse, well-graded sands with occasional lenses of clay and preserved wood fragments. Groundwater recharge to the uppermost aquifer in the area is largely through infiltration of precipitation.

A subsurface cement-bentonite wall was installed around the perimeter of the former CCR Unit between 1994 and 2000 to provide structural support of the soil dike. The subsurface wall was installed to a common depth around the former CCR Unit. Although installed primarily for structural stability, the subsurface wall extends through much of Unit 3 and impedes groundwater flow within Unit 3 beneath the former CCR Unit. Unit 3 groundwater monitoring wells are installed outside of the subsurface wall.

3.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with 40 CFR § 257.90(e), the following describes monitoring-related activities performed during the monitoring period and presents the status of the monitoring program. Groundwater sampling was performed in accordance with § 257.93. Samples were collected from each well in the certified monitoring system. The locations of the monitoring wells are shown on **Figure 2, Monitoring Well Network**.

3.1 Groundwater Monitoring Network

To meet the performance standards of § 257.91(a), MPC installed a groundwater monitoring system consisting of wells at appropriate locations with screens in the uppermost aquifer. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of Site-specific hydrogeologic conditions and certified by a Professional Engineer (PE). **Table 1, Groundwater Monitoring Network Details**, summarizes the monitoring well construction details and design purpose for the former CCR Unit. Monitoring wells in the certified monitoring system are shown on **Figure 2**.

Pursuant to § 257.95(g)(1), additional monitoring wells were installed to characterize the vertical extent of Groundwater Protection Standard (GWPS) exceedances identified during assessment monitoring. Additionally, surface water sampling locations are utilized to characterize the horizontal extent of GWPS exceedances at the former CCR Unit. Vertical delineation wells are identified on **Figure 2** and detailed on **Table 1**. Vertical delineation wells and surface water are sampled semi-annually as part of the semi-annual assessment groundwater monitoring program.

3.2 Assessment Monitoring

In accordance with § 257.94(b), eight independent samples were collected from each background and downgradient well and analyzed for the constituents listed in Appendix III and IV beginning March 2018 through June 2019. Groundwater sampling for the first detection monitoring event after the background period was performed in April 2019.

Based on results presented in the *2019 Annual Groundwater and Corrective Action Monitoring Report*, MPC initiated an assessment monitoring program in August 2019. Pursuant to § 257.95(b) and within 90 days of initiating the assessment monitoring program, an initial assessment monitoring event was conducted August 8 through 9, 2019 and monitoring wells were sampled for

all Appendix IV parameters. Pursuant to § 257.95(d)(1), semi-annual assessment monitoring events were conducted August 2019 and March 2020. During the semi-annual assessment monitoring event, monitoring wells were sampled for Appendix III and Appendix IV parameters that were detected in the initial assessment event. **Table 2, Summary of Sampling Events**, presents a summary of groundwater sampling events and their purpose completed during the semi-annual assessment monitoring events conducted in October 2024 and April 2025. Analytical data from the semi-annual groundwater monitoring events conducted in October 2024 and April 2025 are included in **Appendix A, Groundwater Analytical Data**.

4.0 GROUNDWATER SAMPLING METHODOLOGY AND ANALYSIS

The following sections describe the methods used to conduct assessment groundwater monitoring at the former CCR Unit.

4.1 Groundwater Elevation Measurement

Prior to each sampling event, groundwater levels were measured and recorded to the nearest 0.01 feet within a 24-hour period. Each well was opened and allowed to equilibrate to atmospheric pressure prior to measuring groundwater levels. Depths are referenced from the top of the well casing. Groundwater elevations are calculated by subtracting the depth to groundwater from surveyed top of casing (TOC) elevations.

Groundwater elevations fluctuate in response to rainfall and tides. Seasonal variations of 1.5 to 2.5 feet are typical at the site. **Table 3, Summary of Groundwater Elevations**, provides a summary of water level data for the site observed in the semi-annual assessment monitoring events conducted in October 2024 and April 2025. Four background monitoring wells (APMW-13 through APMW-16) are located on islands north of the CCR Unit. Because the wells are located approximately one-quarter mile north of the CCR Unit and need to be reached by airboat, they are not gauged during the initial gauging event. Therefore groundwater elevations from those well are not used for generating potentiometric maps.

Groundwater elevation data from semi-annual assessment monitoring events were used to develop the potentiometric surface elevation contour maps provided as **Figure 3, Unit 3 Potentiometric Surface Contour Map – October 14, 2024** and **Figure 4, Unit 3 Potentiometric Surface Contour Map – April 2, 2025**. As shown on these figures, the general direction of groundwater flow in the uppermost Unit 3 aquifer is from west to east and radially from the former CCR Unit. Groundwater elevations and flow patterns are consistent with historical measurements.

4.2 Groundwater Sampling

Groundwater samples were collected in accordance with § 257.93(a). Each of the downgradient monitoring wells at the former CCR Unit is equipped with a dedicated bladder pump. For wells without dedicated pumps, a peristaltic pump along with disposable polyethylene tubing was used to purge and sample from the middle of the well screen interval.

Monitoring wells were purged and sampled using low-flow sampling procedures whereby samples are collected when field water quality parameters (pH, turbidity, conductivity, and dissolved oxygen) were measured to determine stabilization. A SmarTroll (In-Situ field instrument) was used to monitor and record field water quality parameters for stabilization during well purging. Turbidity was measured in the field with a portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met:

- 0.1 standard units for pH
- 5% for specific conductance
- 0.2 milligrams per liter (mg/L) or 10% for DO > 0.5 mg/L (whichever is greater)
- Turbidity measurements less than 5 nephelometric turbidity units (NTU)
- Temperature and oxidation reduction potential (ORP) – record only, no stabilization criteria

Once stabilization was achieved, samples were collected directly into appropriately preserved laboratory-supplied sample containers, placed in iced coolers, and submitted to Eurofins Environment Testing America, Inc. (Eurofins) following chain-of-custody protocol.

4.3 Laboratory Analysis

Laboratory analyses were performed by Eurofins in Pittsburg, Pennsylvania, Savannah, Georgia, and St. Louis, Missouri. The Eurofins locations are accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed. Analytical methods used for groundwater sample analysis and chain-of-custody records for each monitoring event are presented in **Appendix A**.

4.4 Quality Assurance/Quality Control

During each sampling event, quality assurance/quality control (QA/QC) samples were collected at a rate of one sample per every 10 detection samples. Equipment blanks and duplicate samples were also collected during each sampling event. QA/QC sample data was evaluated during data validation and is included in **Appendix A**.

Background and detection monitoring groundwater quality data were independently validated following guidance from the EPA Region IV Environmental Investigations Standard Operating

Procedures and Quality Assurance Manual (November 2001); the EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and the analytical methods. Data validation consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. A narrative providing the results of the data validation is provided in **Appendix A**.

5.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and IV groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to § 257.93 following the PE-certified statistical method for the former CCR Unit. The statistical method used at the site was developed by Groundwater Stats Consulting, LLC. (GSC), in accordance with §257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, EPA 530/R-09-007 (USEPA, 2009). Note that during the 2024 and 2025 monitoring events, varying reporting limits, including some above the respective MCLs, were encountered due to laboratory dilutions. In these cases, historical reporting limits were substituted by GSC per the *Unified Guidance.* Further details regarding these substitutions are included in **Appendix B, Statistical Data Evaluation.**

5.1 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. Statistical analysis was performed using methods described in the PE-certified statistical analysis plan for the site.

5.1.1 Appendix III Statistical Method

Interwell prediction limits (PL), combined with a 1-of-2 verification resample plan is the statistical method used to evaluate the groundwater monitoring data at the former CCR Unit. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent. This method is appropriate where there is no significant variability in the data to be pooled as determined using an Analysis of Variability (ANOVA) test. The most recent sample from each downgradient well is compared to the background limit to identify statistically significant increases (SSIs) over background.

If data from a detection monitoring sampling event initially exceed the PL, the resampling strategy may be used to verify the result within 90 days. If the resample exceeds the PL, the initial exceedance is verified, and an SSI of that Appendix III parameter is determined. When the resample result does not verify the initial result, the initial exceedance is considered an erroneous result and the resample value will replace the initial result. If resampling is not conducted the initial exceedance is verified.

5.1.2 Appendix IV Statistical Method

When in assessment monitoring, Appendix IV constituents are statistically compared to the GWPS. Following the Unified Guidance, spatial variation for Appendix III parameters is tested using the ANOVA (this test is not prescribed for Appendix IV constituents). Unlike the statistical evaluation of Appendix III constituents (where single-sample results are compared to the statistical limit), Appendix IV analysis uses the pooled results from each downgradient well to develop a well-specific confidence interval that is compared to the statistical limit. The statistical limit is either the interwell tolerance limit (i.e., background) calculated using the pool of all available upgradient well data, or an applicable groundwater protection standard. Appendix IV background data are screened for outliers and extreme trending patterns that would lead to artificially elevated statistical limits. Parametric tolerance limits (i.e. UTLs) were calculated using pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. The UTLs were then used as the GWPS.

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

(1) The MCL established under 40 CFR § 141.62 and 141.66.
(2) Where an MCL has not been established:
    (i) Cobalt 0.006 mg/L;
    (ii) Lead 0.015 mg/L;
    (iii) Lithium 0.040 mg/L; and
    (iv) Molybdenum 0.100 mg/L.
(3) Background levels for constituents where the background level is higher than the MCL or rule specified GWPS.

In assessment monitoring, when the lower confidence limit (LCL), or the entire confidence interval, exceeds the GWPS as discussed in the USEPA Unified Guidance, the result is recorded as a statistically significant level (SSL) over the GWPS. **Table 4, Summary of Background Levels and Groundwater Protection Standards** summarizes the background limit established at each monitoring well and the GWPS.

5.2 Statistical Analysis Results

Appendix III and IV analytical data from the October 2024 and April 2025 semi-annual monitoring events was statistically analyzed in accordance with the PE-certified Statistical Analysis Plan.

Appendix III statistical analysis was performed, and constituents have not returned to background levels. Appendix IV assessment monitoring parameters were evaluated using confidence intervals to determine if concentrations statistically exceeded the established GWPS.

5.2.1 First Semi-Annual Assessment Monitoring Event

Statistical analysis of Appendix IV data from the first semi-annual assessment monitoring event identified the following SSLs over GWPS as follows:

- Arsenic: APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium: APMW-1R, APMW-2, APMW-4D, APMW-7, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-5, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Confidence intervals, time series plots, and box plots are provided in **Appendix B**. Time-series plots were used to evaluate concentrations in wells and to visually compare concentrations in downgradient wells to those in background wells.

As discussed in **Section 6.0** of this report, ASDs have been prepared to address the SSLs for barium and combined radium.

5.2.2 Second Semi-Annual Assessment Monitoring Event

Statistical analysis of Appendix IV data from the second semi-annual assessment monitoring event identified the following SSLs over GWPS as follows:

- Arsenic: APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium: APMW-1R, APMW-2, APMW-4D, APMW-7, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Confidence intervals, time series plots, and box plots are provided in **Appendix B**. Time-series plots were used to evaluate concentrations in wells and to visually compare concentrations in downgradient wells to those in background wells.

As discussed in **Section 6.0** of this report, ASDs have been prepared to address the SSLs for barium and combined radium.

5.2.3 Delineation Locations

Surface water sampling locations serve as the basis for horizontal delineation in the direction of groundwater flow, and groundwater delineation wells with a "D" designation were installed for vertical delineation.

A review of analytical data for samples from vertical delineation wells identified the following SSLs during the first semi-annual sampling event:

- Arsenic: APMW-5D
- Combined Radium: APMW-4D
- Lithium: APMW-4D
- Molybdenum: APMW-4D

During the second semi-annual sampling event, the following SSLs were observed in the vertical delineation wells:

- Arsenic: APMW-5D
- Combined Radium: APMW-4D
- Lithium: APMW-4D
- Molybdenum: APMW-4D

During the 2021-2022 monitoring period, vertical delineation of Appendix IV constituents was evaluated at APMW-4D and APMW-10D. As part of that delineation evaluation, an isotope study was conducted to determine if observed Appendix IV constituents were naturally occurring and not related to the former CCR Unit. Results from the evaluation indicate that concentrations of Appendix IV constituents observed at those locations are naturally occurring and not the result of a release from the former CCR Unit, and delineation is considered complete. Results from the vertical delineation evaluation were included in an addendum to the Comprehensive Groundwater Investigation Report in December 2022 (Geosyntec, 2022).

Analytical results from horizontal surface water sampling locations in October 2024 identified 21 surface water samples exceeding the GWPS for lithium. Based on consistent historical data and

upstream (i.e., upgradient) concentrations, the occurrence of lithium in surface water samples appears to be temporally related, only occurring during the fall sampling events. Elevated lithium concentrations were observed in samples collected upstream (upgradient) from the Site as well as downgradient of the former CCR unit, and each sample concentration is approximately one order of magnitude higher than concentrations observed during spring sampling events. There were no other Appendix IV constituents observed exceeding the GWPS during the October 2024 event and a corresponding increase was not observed in other monitored parameters. Laboratory quality control also qualified each of these samples with a "B," denoting that the constituent was detected both in the sample as well as the laboratory blank. However, lithium has been observed exceeding the GWPS during each of the last three fall sampling events in surface water samples, including upgradient/upstream samples, and has not been observed exceeding the GWPS during spring sampling events. Therefore, lithium in surface water appears to be naturally occurring and not related to the former CCR unit. Analytical results from horizontal sampling locations during the March 2025 event did not identify concentrations above the GWPS of Appendix IV constituents. Reported lithium concentrations were consistent with historical levels and were approximately an order of magnitude below the GWPS of 0.04 mg/L during the April 2025 sampling event. Therefore, horizontal delineation is complete at the former CCR Unit.

6.0 ALTERNATE SOURCE DEMONSTRATIONS

In accordance with 40 CFR § 257.95(g)(3)(ii), two separate ASDs were prepared and submitted to MDEQ to address SSLs of barium and radium. The ASD for barium was completed on August 1, 2020, and the ASD for radium completed on December 8, 2020.

Information presented in the ASDs explains that naturally occurring barium and radium caused the SSLs and the concentrations observed are not the result of a release from the former CCR Unit. Based on the ASDs, MPC has proposed excluding barium and radium from the corrective measures evaluation currently underway at the Site.

During the 2021-2022 monitoring period, vertical delineation of Appendix IV constituents was evaluated at APMW-4D and APMW-10D. As part of that delineation evaluation an isotope study was conducted to determine if observed Appendix IV constituents were naturally occurring and not related to the former CCR Unit. Results from the evaluation indicate that concentrations of Appendix IV constituents observed at those locations are naturally occurring and not the result of a release from the former CCR Unit, and delineation is considered complete. Results from the vertical delineation evaluation were included in an addendum to the Comprehensive Groundwater Investigation Report in December 2022 (Geosyntec, 2022).

7.0 MONITORING PROGRAM STATUS

This site is currently in assessment monitoring and evaluating groundwater corrective action alternatives. Statistical evaluations of the groundwater monitoring data for the former CCR Unit identified SSIs of Appendix III and SSLs of Appendix IV groundwater monitoring parameters. MPC has initiated an ACM pursuant to § 257.95(g)(3)(i) and the Administrative Order. The ACM was completed by August 11, 2020 and posted to the operating record.

A temporary groundwater remedy and enhanced source control system was installed and began operating at the Site in the fall of 2022. The temporary groundwater remedy consists of four extraction wells installed within the footprint of the former CCR Unit and screened in the Unit 3 aquifer. The system is designed to lower the hydraulic head in the vicinity of the former CCR Unit and provide an additional level of source control as the final remedy is selected and implemented. The temporary remedy is expected to be operational for a limited period of time depending on design factors and performance criteria.

In August 2023, as part of ongoing optimization, TW-5 was disconnected from the system and operation was moved to TW-7 in August 2023. Currently four groundwater pumping wells are operating (TW-3, TW-4, TW-6, and TW-7). The system is currently being optimized and evaluated in addition to Site groundwater conditions.

8.0 CONCLUSIONS AND FUTURE ACTIONS

Based on the results reported in the 2019 Annual Groundwater Monitoring and Corrective Action Report, MPC initiated an assessment monitoring program. An ACM was completed on August 11, 2020, to address SSLs of Appendix IV above groundwater protection standards pursuant to 40 CFR § 257.95(g)(5). This *2025 Groundwater Monitoring and Corrective Action Report* has been prepared to fulfill the requirements of USEPA CCR rule 40 CFR 257 Subpart D. Semi-annual assessment monitoring events took place in October 2024 and April 2025. Statistical evaluations of the assessment monitoring data identified SSLs of Appendix IV constituents above the GWPS. The Site remains in assessment monitoring while groundwater corrective remedies are being evaluated.

An ASD has been prepared to address SSLs of barium and radium. Additionally, vertical delineation has been evaluated, and results indicate that vertical delineation is considered complete at the Site. MPC will continue to characterize the nature and extent of GWPS exceedances for arsenic, lithium, and molybdenum as required by § 257.95(g)(1) and the Administrative Order and report result pursuant to the Administrative Order and § 257.90(e)(3).

The following future actions are planned during the next monitoring period at the Site:

- Semi-annual groundwater assessment monitoring, including sampling of horizontal and vertical delineation locations.
- Conclude treatability studies to assess potential remedies at locations APMW-3, APMW-5, and APMW-6R.
- Continue optimization of the temporary groundwater remedy and enhanced source control system.
- Develop a groundwater monitoring plan to assess performance of the temporary groundwater remedy.
- Submit Semi-Annual Remedy Selection and Design Progress Reports by September 30, 2025 and March 31, 2026.
- Submit Semi-Annual Progress Reports by September 30, 2025 and March 31, 2026.
- Submit the *2026 Annual Groundwater and Corrective Action Report* by August 1, 2026.

9.0 REFERENCES

ASTM Standard D5092, 2004, Standard Practice for Design and Installation of Groundwater Monitoring Wells, ASTM International, West Conshohocken, PA, DOI 10.1520/D5092-04R10E01, www.astm.org.

Geosyntec, December 2022, Comprehensive Groundwater Investigation Report – Addendum, Plant Watson Former CCR Unit.

Harvey, E.J., Golden, H. G., Jeffery H. G., 1965, Water Resources of the Pascagoula Area Mississippi: Geological Survey Water-Supply Paper 1763.

Hoffman, J.H., Stewart, L., Everett, J.F., 2017, Geohydrologic Cross-Sections of the Grand Gulf Aquifer System in Southeastern Mississippi: Open-File Report 284.

Otvos, E. G., 2001, H. Mississippi Coast: Stratigraphy and Quaternary Evolution in the Northern Gulf Coastal Plain Framework, United States Geological Survey Open-file Report 01-415-H.

USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March.

USEPA. 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. *40 CFR Parts 257and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule.* [EPA-HQ-RCRA–2009– 0640; FRL–9919–44–OSWER]. RIN–2050–AE81. April.

United States Geological Survey (USGS), 1985, Gulfport North Quadrangle, 7.5 Minutes Series Topographic Map.

United States Geological Survey (USGS), 1998, Hydrologic Investigations Atlas 730-F, Ground Water Atlas of the United States, Segment 5, Arkansas, Louisiana, Mississippi.

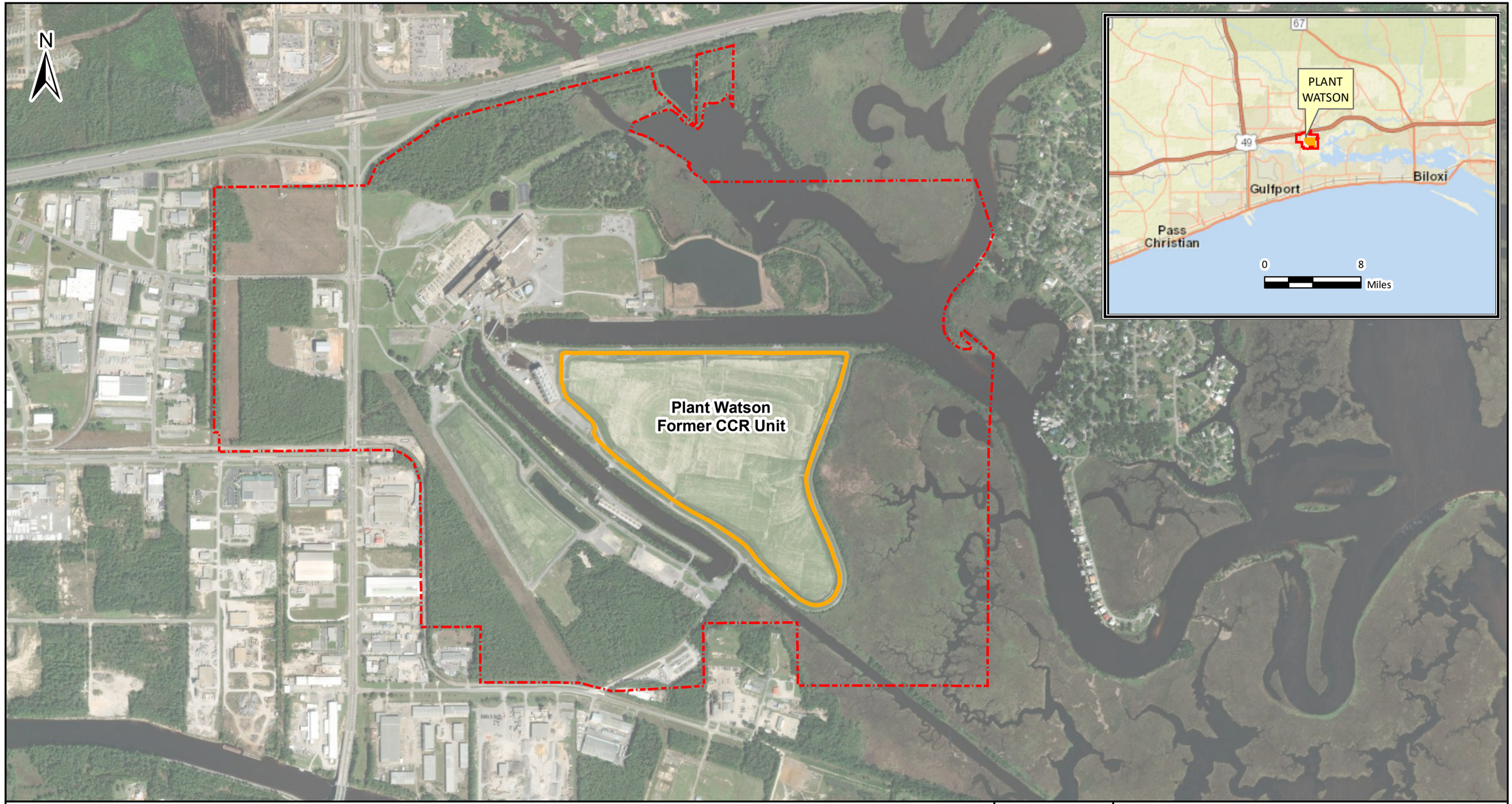
Southern Company Services (SCS), 2018, Plant Watson Ash Pond Groundwater Monitoring Plan.

Southern Company Services (SCS), 2019, 2019 Annual Groundwater Monitoring and Corrective Action Report.

Stewart, L. and J.F. Everett. (2002). Groundwater Study of Historical Water-Level and Water-Quality Data in Harrison County, Mississippi. Mississippi Department of Environmental Quality. Open-fileReport 02-102.

Southern Company

FIGURES



LEGEND

Plant Watson Property Boundary

CCR Unit Boundary

0 1,000 Feet

Base Map: Maxar Vivid Standard, 10/16/2021.
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

SCALE	1:12,000
DATE	6/20/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
SITE LOCATION MAP
PLANT WATSON
FORMER CCR UNIT

FIGURE NO.
FIGURE 1

Southern Company



LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Delineation Well
- CCR Unit Boundary

0 750 Feet

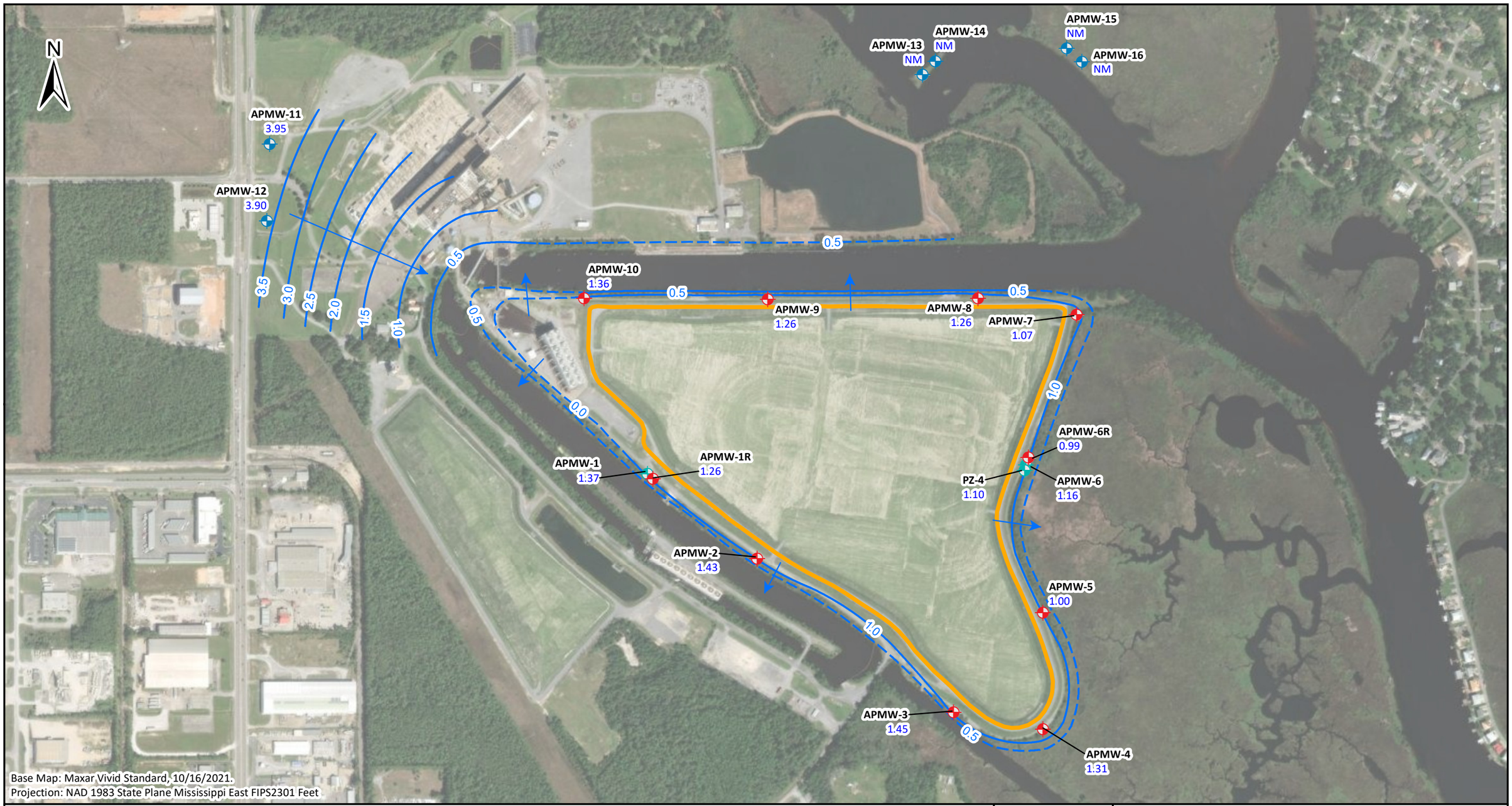
Base Map: Maxar Vivid Standard, 10/16/2021.
Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet

SCALE	1:9,000
DATE	6/20/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
MONITORING WELL NETWORK
PLANT WATSON
FORMER CCR UNIT

FIGURE NO.
FIGURE 2

Southern Company



LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Piezometer
- CCR Unit Boundary
- Estimated Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundater Flow Direction
- **APMW-1R** Well Name
- 1.26 Groundwater Elevation (ft NAVD88)

0 600 Feet

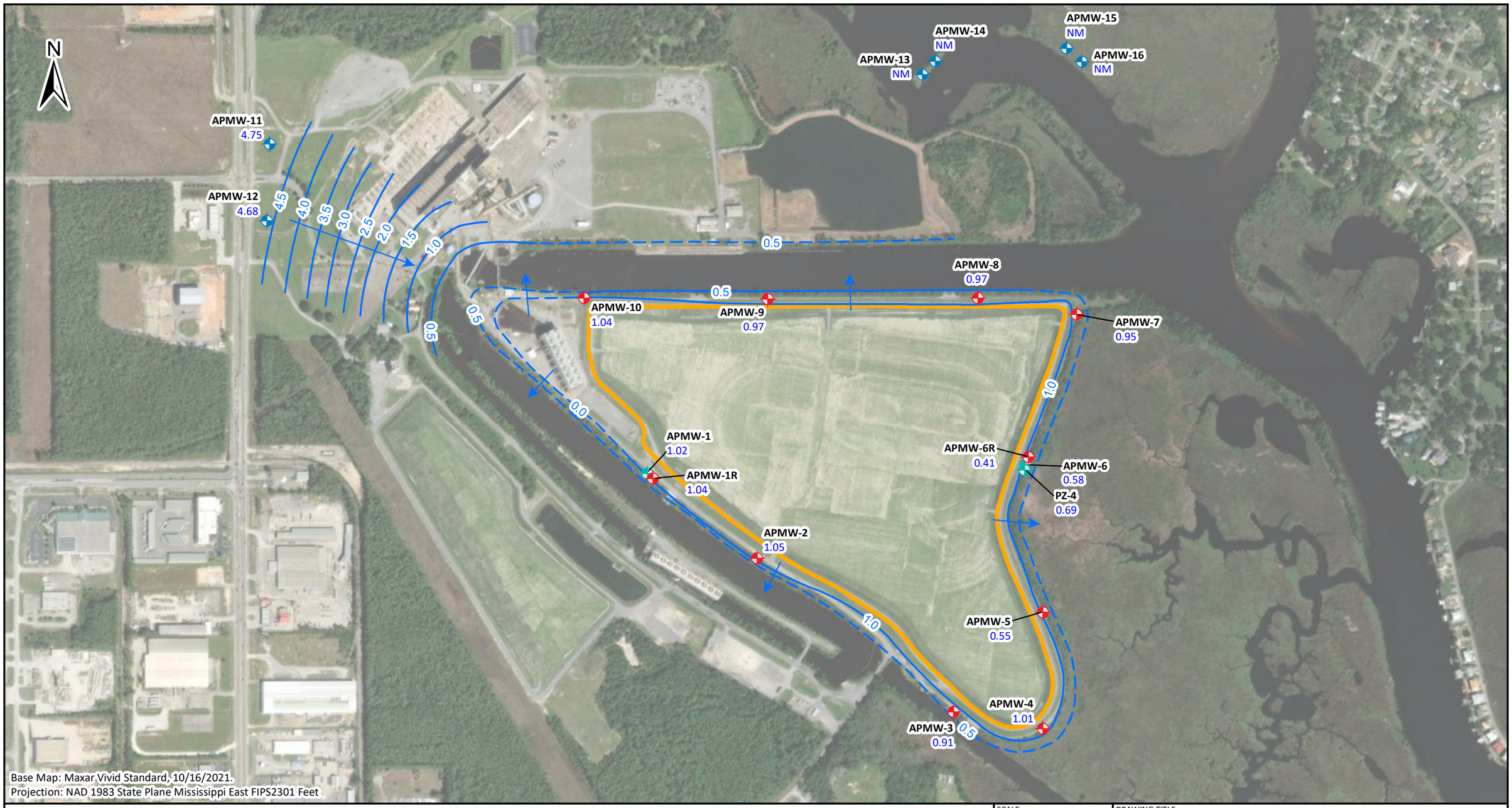
NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

SCALE	1:7,200
DATE	7/8/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
UNIT 3 POTENTIOMETRIC SURFACE CONTOUR MAP
OCTOBER 14, 2024
PLANT WATSON FORMER CCR UNIT

FIGURE NO.
FIGURE 3

Southern Company



LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Piezometer
- CCR Unit Boundary
- Estimated Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundater Flow Direction
- **APMW-1R** Well Name
- 1.04 Groundwater Elevation (ft NAVD88)

0 600 Feet

NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

SCALE	1:7,200
DATE	7/8/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
UNIT 3 POTENTIOMETRIC SURFACE CONTOUR MAP
APRIL 2, 2025
PLANT WATSON FORMER CCR UNIT

FIGURE NO.
FIGURE 4

Southern Company

Southern Company

TABLES

Table 1. Groundwater Monitoring Network Details

Well Name	Installation Date	Purpose	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation
APMW-1	7/12/2016	Water Level	339968.40	924453.57	22.48	24.86	-1.52	-11.92
APMW-1R	1/24/2019	Downgradient (APMW-1 Replacement)	339938.30	924486.30	22.50	25.16	-8.34	-13.34
APMW-2	7/18/2016	Downgradient	339436.26	925145.20	19.95	22.58	-9.05	-19.65
APMW-3	7/18/2016	Downgradient	338466.67	926382.75	5.60	8.40	-17.40	-28.00
APMW-4	7/19/2016	Downgradient	338360.09	926947.41	10.76	13.39	-13.24	-23.84
APMW-5	7/19/2016	Downgradient	339095.64	926946.56	6.01	8.68	-17.99	-28.59
APMW-6	7/20/2016	Not Applicable[3]	340025.90	926838.72	7.00	8.91	-16.00	-26.00
APMW-6R	1/29/2019	Downgradient (APMW-6 Replacement)	340071.30	926854.60	5.50	8.11	-44.09	-54.09
APMW-7	7/20/2016	Downgradient	340970.41	927159.53	10.50	13.00	-14.50	-24.30
APMW-8	7/21/2016	Downgradient	341076.09	926536.95	18.08	21.00	-11.60	-21.60
APMW-9	7/21/2016	Downgradient	341069.72	925210.34	19.83	22.41	-9.17	-19.77
APMW-10	7/22/2016	Downgradient	341075.20	924053.45	18.20	21.11	-1.80	-11.40
APMW-11	1/24/2019	Upgradient	342047.37	922071.42	19.60	22.45	-18.59	-28.44
APMW-12	1/28/2019	Upgradient	341563.98	922052.04	17.10	20.06	-22.44	-32.98
PZ-4	1/29/2019	Water Level Only	339990.47	926829.94	5.00	7.93	-20.90	-30.90

Notes:

1. Northing and easting are in feed relative to the State Plane Mississippi East North America Datum of 1983.
2. Elevations are in feed relative to the North American Vertical Datum of 1988.
3. APMW-6 was damaged and is no longer part of the monitoring network.

Table 1. Groundwater Monitoring Network Details

Well Name	Installation Date	Purpose	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation
APMW-13	6/18/2020	Upgradient	342483.05	926186.44	1.77	4.49	-14.23	-19.23
APMW-14	6/16/2020	Upgradient	342570.07	926269.01	2.04	4.12	-13.96	-18.96
APMW-15	6/17/2020	Upgradient	342649.05	927097.17	2.17	4.25	-17.83	-22.83
APMW-16	6/17/2020	Upgradient	342564.75	927191.96	1.88	4.14	-17.13	-22.13
APMW-2D	4/28/2020	Vertical Delineation	339427.96	925162.46	21.40	23.78	-128.60	-138.60
APMW-3D	4/30/2020	Vertical Delineation	338457.03	926404.68	7.12	9.77	-77.88	-82.88
APMW-4D	5/1/2020	Vertical Delineation	338347.21	926910.01	12.94	12.70	-77.06	-87.06
APMW-5D	5/4/2020	Vertical Delineation	339099.81	926933.66	10.69	10.30	-95.31	-100.31
APMW-6D	5/5/2020	Vertical Delineation	340046.56	926847.95	7.81	10.05	-90.19	-95.19
APMW-8D	5/13/2020	Vertical Delineation	341077.32	926559.91	19.77	22.23	-65.23	-70.23
APMW-10D	5/15/2020	Vertical Delineation	341077.51	924031.34	19.06	21.68	-179.94	-184.94

Notes:

1. Northing and easting are in feed relative to the State Plane Mississippi East North America Datum of 1983.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. APMW-6 was damaged and is no longer part of the monitoring network.

Table 2. Groundwater Sampling Event Summary

Purpose of Sampling Event		SA01 2024 Assessment Monitoring	SA02 2025 Assessment Monitoring
APMW-1R	Downgradient	10/16/2024	04/03/2025
APMW-2	Downgradient	10/16/2024	04/03/2025
APMW-3	Downgradient	10/17/2024	04/04/2025
APMW-4	Downgradient	10/17/2024	04/03/2025
APMW-5	Downgradient	10/17/2024	04/03/2025
APMW-6R	Downgradient	10/17/2024	03/31/2025
APMW-7	Downgradient	10/17/2024	04/04/2025
APMW-8	Downgradient	10/17/2024	04/03/2025
APMW-9	Downgradient	10/16/2024	04/03/2025
APMW-10	Downgradient	10/16/2024	04/02/2025
APMW-11	Upgradient	10/16/2024	04/02/2025
APMW-12	Upgradient	10/16/2024	04/02/2025
APMW-13	Upgradient	10/14/2024	04/08/2025
APMW-14	Upgradient	10/14/2024	04/08/2025
APMW-15	Upgradient	10/14/2024	04/08/2025
APMW-16	Upgradient	10/14/2024	04/08/2025
APMW-2D	Vertical Delineation	10/16/2024	04/03/2025
APMW-3D	Vertical Delineation	10/17/2024	04/04/2025
APMW-4D	Vertical Delineation	10/17/2024	04/03/2025
APMW-5D	Vertical Delineation	10/17/2024	04/03/2025
APMW-6D	Vertical Delineation	10/17/2024	04/04/2025
APMW-8D	Vertical Delineation	10/17/2024	04/10/2025
APMW-10D	Vertical Delineation	10/16/2024	04/03/2025

Notes:

1. SA # indicates Semiannual Assessment Monitoring Event and the number corresponds with the event number.

Table 3. Summary of Groundwater Elevations

Well ID	TOC Elev (ft MSL)	Depth to GW 10/14/2024 (ft BTOC)	GW Elevation 10/14/2024 (ft MSL)	Depth to GW 04/02/2025 (ft BTOC)	GW Elevation 04/02/2025 (ft MSL)
APMW-1	24.86	23.49	1.37	23.84	1.02
APMW-1R	25.16	23.90	1.26	24.12	1.04
APMW-2	22.58	21.15	1.43	21.53	1.05
APMW-3	8.40	6.95	1.45	7.49	0.91
APMW-4	13.39	12.08	1.31	12.38	1.01
APMW-5	8.68	7.68	1.00	8.13	0.55
APMW-6	8.91	7.75	1.16	8.33	0.58
APMW-6R	8.11	7.12	0.99	7.70	0.41
APMW-7	13.00	11.93	1.07	12.05	0.95
APMW-8	21.00	19.74	1.26	20.03	0.97
APMW-9	22.41	21.15	1.26	21.44	0.97
APMW-10	21.11	19.75	1.36	20.07	1.04
APMW-11	22.45	18.50	3.95	17.70	4.75
APMW-12	20.06	16.16	3.90	15.38	4.68
PZ-4	7.93	6.83	1.10	7.24	0.69
APMW-13	4.49	NM	NM	NM	NM
APMW-14	4.12	NM	NM	NM	NM
APMW-15	4.25	NM	NM	NM	NM
APMW-16	4.14	NM	NM	NM	NM
APMW-2D	23.78	15.21	8.57	15.03	8.75
APMW-3D	9.77	7.14	2.63	7.28	2.49
APMW-4D	12.70	10.61	2.09	10.86	1.84
APMW-5D	10.30	7.79	2.51	8.18	2.12
APMW-6D	10.05	7.78	2.27	8.25	1.80
APMW-8D	22.23	19.76	2.47	20.09	2.14
APMW-10D	21.68	14.75	6.93	14.60	7.08

Notes:

1. TOC Elev indicates top of casing elevation
2. ft MLS indicates feet relative to mean sea level.
3. BTOC indicates below top of casing.
4. NM - not measured

Table 4. Summary of Background Levels and Groundwater Protection Standards

Analyte	Units	Background	Rule Specified GWPS	Site-Specific GWPS
Antimony	mg/L	0.002	0.006	0.006
Arsenic	mg/L	0.005	0.01	0.01
Barium	mg/L	0.25	2	2
Beryllium	mg/L	0.0025	0.004	0.004
Cadmium	mg/L	0.0025	0.005	0.005
Chromium	mg/L	0.0044	0.1	0.1
Cobalt	mg/L	0.0025	0.006	0.006
Combined Radium-226/228	pCi/L	5.85	5	5.849
Fluoride	mg/L	0.54	4	4
Lead	mg/L	0.001	0.015	0.015
Lithium	mg/L	0.025	0.04	0.04
Mercury	mg/L	0.0002	0.002	0.002
Molybdenum	mg/L	0.015	0.1	0.1
Selenium	mg/L	0.005	0.05	0.05
Thallium	mg/L	0.001	0.002	0.002

Notes:

1. Rule Specified GWPS is the MCL or standard listed in the CCR Rule.
2. Site-Specific GWPS is the greater of background or rule specified GWPS.

Southern Company

APPENDIX A

Groundwater Analytical Data

Southern Company

First Semi-Annual Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 11/12/2024 5:52:29 PM Revision 1

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-181458-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Revision 1

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

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Job Narrative
180-181458-1

111224 Revised report to include field pH at client request. This report replaces the report previously issued on 102924

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/17/2024 9:15 AM and 10/18/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.5°C, 1.6°C, 1.7°C, 1.7°C, 1.7°C, 1.7°C and 2.2°C.

HPLC/IC
Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: APMW-13 (180-181458-3), APMW-14 (180-181458-4), APMW-15 (180-181458-5), APMW-16 (180-181458-6) and DUP-01 (180-181458-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The interference check standard solution (ICSA) associated with the following samples showed results for barium at a level greater than the reporting limit (RL). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (MB 680-860742/1-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C_Calcd: Due to conductivity and matrix, initial amount of sample used was reduced. APMW-13 (180-181458-3), APMW-14 (180-181458-4), APMW-15 (180-181458-5), APMW-16 (180-181458-6) and DUP-01 (180-181458-7)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0688	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	004375	07-31-25
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-24
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00362	01-01-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	058448	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	10043	07-14-24 *
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-01-25
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Louisiana (DW)	State	LA009	12-31-24
Maryland	State	250	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9925	03-05-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24 *
Tennessee	State	TN02961	06-30-25
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24 *
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-181458-1	APMW-11	Water	10/16/24 12:31	10/17/24 09:15
180-181458-2	APMW-12	Water	10/16/24 10:12	10/17/24 09:15
180-181458-3	APMW-13	Water	10/14/24 17:12	10/17/24 09:15
180-181458-4	APMW-14	Water	10/14/24 16:22	10/17/24 09:15
180-181458-5	APMW-15	Water	10/14/24 15:22	10/17/24 09:15
180-181458-6	APMW-16	Water	10/14/24 14:08	10/17/24 09:15
180-181458-7	DUP-01	Water	10/14/24 13:08	10/17/24 09:15
180-181505-1	APMW-1R	Water	10/16/24 15:22	10/18/24 09:00
180-181505-2	APMW-2	Water	10/16/24 16:28	10/18/24 09:00
180-181505-3	APMW-3	Water	10/17/24 08:19	10/18/24 09:00
180-181505-4	APMW-4	Water	10/17/24 13:06	10/18/24 09:00
180-181505-5	APMW-5	Water	10/17/24 11:27	10/18/24 09:00
180-181505-6	APMW-6R	Water	10/17/24 13:45	10/18/24 09:00
180-181505-7	APMW-7	Water	10/17/24 11:17	10/18/24 09:00
180-181505-8	APMW-8	Water	10/17/24 08:40	10/18/24 09:00
180-181505-9	APMW-9	Water	10/16/24 18:35	10/18/24 09:00
180-181505-10	APMW-10	Water	10/16/24 17:40	10/18/24 09:00
180-181505-11	DUP-02	Water	10/16/24 15:03	10/18/24 09:00
180-181505-12	APMW-2D	Water	10/16/24 17:32	10/18/24 09:00
180-181505-13	APMW-3D	Water	10/17/24 09:10	10/18/24 09:00
180-181505-14	APMW-4D	Water	10/17/24 14:15	10/18/24 09:00
180-181505-15	APMW-5D	Water	10/17/24 10:48	10/18/24 09:00
180-181505-16	APMW-6D	Water	10/17/24 14:55	10/18/24 09:00
180-181505-17	APMW-8D	Water	10/17/24 10:08	10/18/24 09:00
180-181505-18	APMW-10D	Water	10/16/24 16:03	10/18/24 09:00
180-181505-19	DUP-03	Water	10/17/24 07:40	10/18/24 09:00
180-181505-20	DUP-04	Water	10/17/24 13:55	10/18/24 09:00
180-181505-21	EB-01	Water	10/16/24 15:50	10/18/24 09:00
180-181505-22	FB-01	Water	10/16/24 15:44	10/18/24 09:00
180-181505-23	EB-02	Water	10/17/24 09:58	10/18/24 09:00
180-181505-24	FB-02	Water	10/17/24 09:47	10/18/24 09:00
180-181505-25	EB-03	Water	10/17/24 13:36	10/18/24 09:00
180-181505-26	FB-03	Water	10/17/24 13:46	10/18/24 09:00

Method Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client Sample ID: APMW-11

Lab Sample ID: 180-181458-1

Date Collected: 10/16/24 12:31

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482306	10/21/24 20:54	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:12	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:34	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482191	10/18/24 11:19	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/16/24 12:31	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-12

Lab Sample ID: 180-181458-2

Date Collected: 10/16/24 10:12

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482306	10/21/24 18:41	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 21:51	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:21	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482191	10/18/24 11:19	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/16/24 10:12	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13

Lab Sample ID: 180-181458-3

Date Collected: 10/14/24 17:12

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	482306	10/21/24 18:56	ERP	EET PIT
	Instrument ID: CHICS2100B									

Client Sample ID: APMW-13

Lab Sample ID: 180-181458-3

Date Collected: 10/14/24 17:12

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		25	1 mL	1 mL	482306	10/21/24 19:41	ERP	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 21:56	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:30	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:17	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/14/24 17:12	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14

Lab Sample ID: 180-181458-4

Date Collected: 10/14/24 16:22

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482306	10/21/24 19:55	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482306	10/21/24 20:10	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:16	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:36	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:28	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/14/24 16:22	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15

Lab Sample ID: 180-181458-5

Date Collected: 10/14/24 15:22

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482306	10/21/24 20:25	ERP	EET PIT
	Instrument ID: CHICS2100B									

Client Sample ID: APMW-15

Lab Sample ID: 180-181458-5

Date Collected: 10/14/24 15:22

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	1 mL	1 mL	482306	10/21/24 20:40	ERP	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:46	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/14/24 15:22	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-16

Lab Sample ID: 180-181458-6

Date Collected: 10/14/24 14:08

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482306	10/21/24 21:39	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482306	10/21/24 21:53	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:00	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:19	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484132	10/14/24 14:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-181458-7

Date Collected: 10/14/24 13:08

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482306	10/21/24 22:38	ERP	EET PIT
	Instrument ID: CHICS2100B									

Client Sample ID: DUP-01

Lab Sample ID: 180-181458-7

Date Collected: 10/14/24 13:08

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	1 mL	1 mL	482306	10/21/24 22:53	ERP	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:48	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860877	10/23/24 13:25	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 14:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-1R

Lab Sample ID: 180-181505-1

Date Collected: 10/16/24 15:22

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 17:37	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 17:56	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		10			861582	10/25/24 22:32	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:52	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 12:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 15:22	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2

Lab Sample ID: 180-181505-2

Date Collected: 10/16/24 16:28

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 18:14	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 18:33	ERP	EET PIT
	Instrument ID: INTEGRION									

Client Sample ID: APMW-2

Lab Sample ID: 180-181505-2

Date Collected: 10/16/24 16:28

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		4			861534	10/25/24 20:30	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:21	BJB	EET SAV
	Instrument ID:	ICPMSG								
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:08	BWR	EET SAV
	Instrument ID:	ICPMSG								
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:08	BJB	EET SAV
	Instrument ID:	QuickTrace3								
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 16:28	GAL	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: APMW-3

Lab Sample ID: 180-181505-3

Date Collected: 10/17/24 08:19

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482312	10/21/24 18:51	ERP	EET PIT
	Instrument ID:	INTEGRION								
Total/NA	Analysis	300.0		100	1 mL	1 mL	482312	10/21/24 19:47	ERP	EET PIT
	Instrument ID:	INTEGRION								
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861582	10/25/24 18:53	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/26/24 03:24	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:58	BWR	EET SAV
	Instrument ID:	ICPMSD								
Total/NA	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 12:03	BJB	EET SAV
	Instrument ID:	QuickTrace3								
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 08:19	GAL	EET PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-4

Date Collected: 10/17/24 13:06
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 20:05	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 20:24	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:40	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:56	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 11:56	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 13:06	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 10/17/24 11:27
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482312	10/21/24 20:42	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482312	10/21/24 21:01	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		10			861582	10/25/24 22:36	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:54	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 13:01	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 11:27	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R

Lab Sample ID: 180-181505-6

Date Collected: 10/17/24 13:45

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 21:19	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 21:38	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861582	10/25/24 19:09	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/26/24 03:32	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 14:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 13:45	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7

Lab Sample ID: 180-181505-7

Date Collected: 10/17/24 11:17

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 21:56	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 22:15	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:57	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 14:01	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 11:17	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8

Lab Sample ID: 180-181505-8

Date Collected: 10/17/24 08:40

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 22:33	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/21/24 23:29	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/26/24 03:08	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:30	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861703	10/28/24 16:19	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:20	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 08:40	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9

Lab Sample ID: 180-181505-9

Date Collected: 10/16/24 18:35

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/21/24 23:48	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/22/24 00:06	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861582	10/25/24 18:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/26/24 03:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:24	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-9

Date Collected: 10/16/24 18:35
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 18:35	GAL	EET PIT

Client Sample ID: APMW-10

Date Collected: 10/16/24 17:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 01:20	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	482312	10/22/24 01:39	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861582	10/25/24 19:05	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/26/24 03:28	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 14:06	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:43	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 17:40	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Date Collected: 10/16/24 15:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 01:57	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 19:01	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 14:04	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:45	BJB	EET SAV
	Instrument ID: QuickTrace3									

Client Sample ID: DUP-02

Lab Sample ID: 180-181505-11

Date Collected: 10/16/24 15:03

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482301	10/21/24 09:06	EBA	EET PIT

Client Sample ID: APMW-2D

Lab Sample ID: 180-181505-12

Date Collected: 10/16/24 17:32

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 02:16	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:32	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:46	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 17:32	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D

Lab Sample ID: 180-181505-13

Date Collected: 10/17/24 09:10

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 03:11	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 20:34	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:23	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:10	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:22	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482301	10/21/24 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-3D
Date Collected: 10/17/24 09:10
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 09:10	GAL	EET PIT

Client Sample ID: APMW-4D
Date Collected: 10/17/24 14:15
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482312	10/22/24 03:30	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482312	10/22/24 03:48	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 21:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:41	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:36	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 14:15	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D
Date Collected: 10/17/24 10:48
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 04:07	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 21:03	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:37	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:24	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-5D

Lab Sample ID: 180-181505-15

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482300	10/21/24 09:00	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 10:48	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6D

Lab Sample ID: 180-181505-16

Date Collected: 10/17/24 14:55

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 04:25	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 20:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:20	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:06	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 12:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482301	10/21/24 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 14:55	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D

Lab Sample ID: 180-181505-17

Date Collected: 10/17/24 10:08

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 04:44	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 22:28	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860742	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 18:50	BWR	EET SAV
	Instrument ID: ICPMSG									

Client Sample ID: APMW-8D

Lab Sample ID: 180-181505-17

Date Collected: 10/17/24 10:08

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:10	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482300	10/21/24 09:00	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/17/24 10:08	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D

Lab Sample ID: 180-181505-18

Date Collected: 10/16/24 16:03

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 05:02	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 21:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:39	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:26	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:01	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482289	10/21/24 08:30	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484128	10/16/24 16:03	GAL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-181505-19

Date Collected: 10/17/24 07:40

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482312	10/22/24 07:14	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482312	10/22/24 07:32	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		20			861534	10/25/24 20:42	BWR	EET SAV
	Instrument ID: ICPMSC									

Client Sample ID: DUP-03

Lab Sample ID: 180-181505-19

Date Collected: 10/17/24 07:40

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:31	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:14	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:29	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04

Lab Sample ID: 180-181505-20

Date Collected: 10/17/24 13:55

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 07:51	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:36	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:48	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:56	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482301	10/21/24 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-181505-21

Date Collected: 10/16/24 15:50

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 00:25	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 20:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:33	BJB	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: EB-01

Lab Sample ID: 180-181505-21

Date Collected: 10/16/24 15:50

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:20	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:52	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482289	10/21/24 08:30	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-181505-22

Date Collected: 10/16/24 15:44

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482422	10/22/24 17:27	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 20:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:35	BJB	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:22	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:39	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Lab Sample ID: 180-181505-23

Date Collected: 10/17/24 09:58

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 08:09	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/25/24 20:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			860951	10/23/24 14:25	BJB	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: EB-02
Date Collected: 10/17/24 09:58
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860741	10/23/24 06:01	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 16:12	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:17	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482301	10/21/24 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Date Collected: 10/17/24 09:47
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 08:28	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 15:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482289	10/21/24 08:30	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03
Date Collected: 10/17/24 13:36
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 08:46	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482290	10/21/24 08:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: FB-03

Date Collected: 10/17/24 13:46
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482312	10/22/24 09:05	ERP	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861582	10/25/24 18:28	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860743	10/23/24 06:06	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861224	10/24/24 13:43	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	861080	10/24/24 13:32	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:59	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482289	10/21/24 08:30	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Analyst References:

Lab: EET PIT
- Batch Type: Analysis
  - EBA = Elizabeth Arbster
  - ERP = Evan Papak
  - FDS = Sampler Field
  - GAL = Gail Lage
  - M1D = Maureen Donlin

Lab: EET SAV
- Batch Type: Prep
  - MG = Michael Griffin
  - RR = Robert Rancourt
- Batch Type: Analysis
  - BJB = Brian Boyuk
  - BWR = Bryn Robertson

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-11

Date Collected: 10/16/24 12:31
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.8**		1.0	0.71	mg/L			10/21/24 20:54	1
Fluoride	**0.066**	**J**	0.20	0.026	mg/L			10/21/24 20:54	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/24 20:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:34	1
Barium	**0.041**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:34	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:34	1
Boron	**0.026**	**J**	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:12	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:34	1
Calcium	**12**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:34	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:34	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:34	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:34	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:34	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:34	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:34	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:34	1
Lithium	**0.021**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**74**		10	10	mg/L			10/18/24 11:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.98**				SU			10/16/24 12:31	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-12

Date Collected: 10/16/24 10:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		1.0	0.71	mg/L			10/21/24 18:41	1
Fluoride	**0.071**	**J**	0.20	0.026	mg/L			10/21/24 18:41	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/24 18:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:28	1
Barium	**0.075**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:28	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:28	1
Boron	**0.046**	**J**	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:51	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:28	1
Calcium	**14**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:28	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:28	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:28	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:28	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:28	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:28	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:28	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:28	1
Lithium	**0.027**		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			10/18/24 11:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.29**				SU			10/16/24 10:12	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-13

Date Collected: 10/14/24 17:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		25	18	mg/L			10/21/24 19:41	25
Fluoride	0.15	J	0.50	0.065	mg/L			10/21/24 18:56	2.5
Sulfate	780		25	19	mg/L			10/21/24 19:41	25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0021	J	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:30	1
Barium	0.24	^6+	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:30	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:30	1
Boron	0.69		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:56	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:30	1
Calcium	100		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:30	1
Chromium	0.0012	J	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:30	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:30	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:30	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:30	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:30	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:30	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:30	1
Lithium	0.012	J	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200		40	40	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.25				SU			10/14/24 17:12	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-14

Date Collected: 10/14/24 16:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		50	36	mg/L			10/21/24 20:10	50
Fluoride	**0.24**	**J**	1.0	0.13	mg/L			10/21/24 19:55	5
Sulfate	**1100**		50	38	mg/L			10/21/24 20:10	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:36	1
Barium	**0.22**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:36	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:36	1
Boron	**0.78**		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:16	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:36	1
Calcium	**150**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:36	1
Chromium	**0.0015**	**J**	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:36	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:36	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:36	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:36	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:36	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:36	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:36	1
Lithium	**0.012**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5200**		67	67	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.05**				SU			10/14/24 16:22	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-15

Date Collected: 10/14/24 15:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		50	36	mg/L			10/21/24 20:40	50
Fluoride	**0.28**	**J**	1.0	0.13	mg/L			10/21/24 20:25	5
Sulfate	**140**		5.0	3.8	mg/L			10/21/24 20:25	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:46	1
Barium	**0.069**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:46	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:46	1
Boron	**0.70**		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:20	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:46	1
Calcium	**74**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:46	1
Chromium	**0.0021**	**J**	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:46	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:46	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:46	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:46	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:46	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:46	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:46	1
Lithium	**0.019**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4700**		67	67	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.02**				SU			10/14/24 15:22	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-16

Date Collected: 10/14/24 14:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		50	36	mg/L			10/21/24 21:53	50
Fluoride	**0.34**	**J**	1.0	0.13	mg/L			10/21/24 21:39	5
Sulfate	**88**		5.0	3.8	mg/L			10/21/24 21:39	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:32	1
Barium	**0.073**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:32	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:32	1
Boron	**0.74**		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:00	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:32	1
Calcium	**70**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:32	1
Chromium	**0.0025**	**J**	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:32	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:32	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:32	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:32	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:32	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:32	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:32	1
Lithium	**0.016**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4900**		67	67	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.54**				SU			10/14/24 14:08	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: DUP-01
Date Collected: 10/14/24 13:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-7
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		50	36	mg/L			10/21/24 22:53	50
Fluoride	**0.30**	**J**	1.0	0.13	mg/L			10/21/24 22:38	5
Sulfate	**89**		5.0	3.8	mg/L			10/21/24 22:38	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:48	1
Barium	**0.072**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:48	1
Boron	**0.75**		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:24	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:48	1
Calcium	**71**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:48	1
Chromium	**0.0023**	**J**	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:48	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:48	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:48	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:48	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:48	1
Lithium	**0.019**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4800**		67	67	mg/L			10/18/24 11:25	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-1R

Date Collected: 10/16/24 15:22
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		50	36	mg/L			10/21/24 17:56	50
Fluoride	**0.15**	**J**	1.0	0.13	mg/L			10/21/24 17:37	5
Sulfate	**8.8**		5.0	3.8	mg/L			10/21/24 17:37	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:52	1
Barium	**2.2**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:52	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:52	1
Boron	**5.6**		5.0	0.22	mg/L		10/23/24 06:01	10/25/24 22:32	10
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:52	1
Calcium	**210**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:52	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:52	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:52	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:52	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:52	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:52	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:52	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:52	1
Lithium	**0.029**		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4500**		67	67	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.17**				SU			10/16/24 15:22	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-2

Date Collected: 10/16/24 16:28
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		50	36	mg/L			10/21/24 18:33	50
Fluoride	**0.13**	**J**	1.0	0.13	mg/L			10/21/24 18:14	5
Sulfate	**8.8**		5.0	3.8	mg/L			10/21/24 18:14	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:21	1
Barium	**4.5**		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:21	1
Beryllium	**0.00024**	**J**	0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:08	1
Boron	**2.8**		2.0	0.088	mg/L		10/23/24 06:01	10/25/24 20:30	4
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:21	1
Calcium	**330**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:21	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:21	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:21	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:08	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:21	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:21	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:21	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:08	1
Lithium	**0.039**		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4100**		40	40	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.84**				SU			10/16/24 16:28	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-3

Date Collected: 10/17/24 08:19
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8400		100	71	mg/L			10/21/24 19:47	100
Fluoride	0.38	J	2.0	0.26	mg/L			10/21/24 18:51	10
Sulfate	1000		10	7.6	mg/L			10/21/24 18:51	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.083		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:58	1
Barium	0.10	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:58	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:58	1
Boron	4.3	J	10	0.44	mg/L		10/23/24 06:06	10/25/24 18:53	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:58	1
Calcium	260		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:58	1
Chromium	0.0014	J	0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:58	1
Cobalt	0.0021	J	0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:58	1
Molybdenum	0.049	J	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:58	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:58	1
Antimony	0.0014	J	0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:58	1
Selenium	0.0029	J	0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:58	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:58	1
Lithium	0.067		0.025	0.0020	mg/L		10/23/24 06:06	10/26/24 03:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	16000		200	200	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			10/17/24 08:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-4

Date Collected: 10/17/24 13:06
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		50	36	mg/L			10/21/24 20:24	50
Fluoride	0.37	J	1.0	0.13	mg/L			10/21/24 20:05	5
Sulfate	190		5.0	3.8	mg/L			10/21/24 20:05	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0059	J	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:56	1
Barium	0.15	^6+	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:56	1
Beryllium	0.00024	J	0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:56	1
Boron	1.0		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:40	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:56	1
Calcium	110		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:56	1
Chromium	0.0019	J	0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:56	1
Cobalt	0.0029	J	0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:56	1
Molybdenum	0.0031	J	0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:56	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:56	1
Lithium	0.056		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3900		40	40	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.24				SU			10/17/24 13:06	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-5

Date Collected: 10/17/24 11:27
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6500**		100	71	mg/L			10/21/24 21:01	100
Fluoride	**0.27**	**J**	2.0	0.26	mg/L			10/21/24 20:42	10
Sulfate	**600**		10	7.6	mg/L			10/21/24 20:42	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.22**		0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:54	1
Barium	**0.10**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:54	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:54	1
Boron	**3.2**	**J**	5.0	0.22	mg/L		10/23/24 06:01	10/25/24 22:36	10
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:54	1
Calcium	**250**		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:54	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:54	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:54	1
Molybdenum	**0.23**		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:54	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:54	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:54	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:54	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:54	1
Lithium	**0.048**		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080	F1 F2	0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**10000**		200	200	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.36**				SU			10/17/24 11:27	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-6R

Date Collected: 10/17/24 13:45
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400		50	36	mg/L			10/21/24 21:38	50
Fluoride	0.14	J	1.0	0.13	mg/L			10/21/24 21:19	5
Sulfate	820		5.0	3.8	mg/L			10/21/24 21:19	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.31		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 14:09	1
Barium	0.043	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 14:09	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 14:09	1
Boron	13		10	0.44	mg/L		10/23/24 06:06	10/25/24 19:09	20
Cadmium	0.00014	J	0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 14:09	1
Calcium	320		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 14:09	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 14:09	1
Cobalt	0.0030	J	0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 14:09	1
Molybdenum	1.2		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 14:09	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 14:09	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 14:09	1
Selenium	0.0015	J	0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 14:09	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 14:09	1
Lithium	0.054		0.025	0.0020	mg/L		10/23/24 06:06	10/26/24 03:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6800		100	100	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.23				SU			10/17/24 13:45	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-7

Date Collected: 10/17/24 11:17
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		50	36	mg/L			10/21/24 22:15	50
Fluoride	0.17	J	1.0	0.13	mg/L			10/21/24 21:56	5
Sulfate	45		5.0	3.8	mg/L			10/21/24 21:56	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0029	J	0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 14:01	1
Barium	0.92	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 14:01	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 14:01	1
Boron	1.0		0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:57	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 14:01	1
Calcium	88		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 14:01	1
Chromium	0.0014	J	0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 14:01	1
Cobalt	0.00025	J	0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 14:01	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 14:01	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 14:01	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 14:01	1
Selenium	0.0019	J	0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 14:01	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 14:01	1
Lithium	0.0040	J	0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7000		100	100	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.51				SU			10/17/24 11:17	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-8

Date Collected: 10/17/24 08:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500		50	36	mg/L			10/21/24 23:29	50
Fluoride	0.82	J	1.0	0.13	mg/L			10/21/24 22:33	5
Sulfate	610		5.0	3.8	mg/L			10/21/24 22:33	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:30	1
Barium	0.26	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:30	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:30	1
Boron	18		10	0.44	mg/L		10/23/24 06:06	10/28/24 16:19	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:30	1
Calcium	440		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:30	1
Chromium	0.0012	J	0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:30	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:30	1
Molybdenum	0.21	F1	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:30	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:30	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:30	1
Selenium	0.0017	J	0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:30	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:30	1
Lithium	0.065		0.025	0.0020	mg/L		10/23/24 06:06	10/26/24 03:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7100		100	100	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.67				SU			10/17/24 08:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-9

Date Collected: 10/16/24 18:35
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2800		50	36	mg/L			10/22/24 00:06	50
Fluoride	0.14	J	1.0	0.13	mg/L			10/21/24 23:48	5
Sulfate	160		5.0	3.8	mg/L			10/21/24 23:48	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0015	J	0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:38	1
Barium	0.57	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:38	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:38	1
Boron	7.3	J	10	0.44	mg/L		10/23/24 06:06	10/25/24 18:20	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:38	1
Calcium	250		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:38	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:38	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:38	1
Molybdenum	0.0011	J	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:38	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:38	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:38	1
Selenium	0.0019	J	0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:38	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:38	1
Lithium	0.0023	J	0.025	0.0020	mg/L		10/23/24 06:06	10/26/24 03:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	5200		67	67	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.47				SU			10/16/24 18:35	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-10

Date Collected: 10/16/24 17:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**510**		10	7.1	mg/L			10/22/24 01:39	10
Fluoride	**0.66**		0.20	0.026	mg/L			10/22/24 01:20	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 01:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.029**		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 14:06	1
Barium	**0.34**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 14:06	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 14:06	1
Boron	**2.2**	**J**	10	0.44	mg/L		10/23/24 06:06	10/25/24 19:05	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 14:06	1
Calcium	**38**		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 14:06	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 14:06	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 14:06	1
Molybdenum	**0.023**	**J**	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 14:06	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 14:06	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 14:06	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 14:06	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 14:06	1
Lithium	**0.0080**	**J**	0.025	0.0020	mg/L		10/23/24 06:06	10/26/24 03:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1400**		20	20	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.98**				SU			10/16/24 17:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: DUP-02

Date Collected: 10/16/24 15:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.71	mg/L			10/22/24 01:57	1
Fluoride	**0.22**		0.20	0.026	mg/L			10/22/24 01:57	1
Sulfate	**5.6**		1.0	0.76	mg/L			10/22/24 01:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0058**	**J**	0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 14:04	1
Barium	**0.025**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 14:04	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 14:04	1
Boron	**0.11**	**J**	0.50	0.022	mg/L		10/23/24 06:06	10/25/24 19:01	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 14:04	1
Calcium	**2.5**		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 14:04	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 14:04	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 14:04	1
Molybdenum	**0.0028**	**J**	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 14:04	1
Lead	**0.00023**	**J**	0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 14:04	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 14:04	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 14:04	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 14:04	1
Lithium	**0.011**	**J**	0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 19:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		10	10	mg/L			10/21/24 09:06	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-2D

Date Collected: 10/16/24 17:32
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-12

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.2**		1.0	0.71	mg/L			10/22/24 02:16	1
Fluoride	**0.16**	**J**	0.20	0.026	mg/L			10/22/24 02:16	1
Sulfate	**4.4**		1.0	0.76	mg/L			10/22/24 02:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0020**	**J**	0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:46	1
Barium	**0.073**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:46	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:46	1
Boron	**0.078**	**J**	0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:32	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:46	1
Calcium	**3.0**		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:46	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:46	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:46	1
Molybdenum	**0.0012**	**J**	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:46	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:46	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:46	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:46	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:46	1
Lithium	**0.0090**	**J**	0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		10	10	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.64**				SU			10/16/24 17:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-3D

Date Collected: 10/17/24 09:10
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		1.0	0.71	mg/L			10/22/24 03:11	1
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			10/22/24 03:11	1
Sulfate	**5.6**		1.0	0.76	mg/L			10/22/24 03:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0036**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:23	1
Barium	**0.18**		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:23	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:10	1
Boron	**0.072**	**J**	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:34	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:23	1
Calcium	**13**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:23	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:23	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:23	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:10	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:23	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:23	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:23	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:10	1
Lithium	**0.021**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 16:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**190**		10	10	mg/L			10/21/24 09:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.93**				SU			10/17/24 09:10	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-4D

Date Collected: 10/17/24 14:15
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-14

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7300**		100	71	mg/L			10/22/24 03:48	100
Fluoride	**0.30**	**J**	2.0	0.26	mg/L			10/22/24 03:30	10
Sulfate	**690**		10	7.6	mg/L			10/22/24 03:30	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:41	1
Barium	**0.077**		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:41	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:28	1
Boron	**3.2**		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:11	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:41	1
Calcium	**210**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:41	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:41	1
Cobalt	**0.0093**	**J**	0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:41	1
Molybdenum	**0.16**		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:28	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:41	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:41	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:41	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:28	1
Lithium	**0.065**		0.025	0.0020	mg/L		10/23/24 06:01	10/25/24 21:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**11000**		200	200	mg/L			10/21/24 08:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.66**				SU			10/17/24 14:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-5D

Date Collected: 10/17/24 10:48
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.5		1.0	0.71	mg/L			10/22/24 04:07	1
Fluoride	0.15	J	0.20	0.026	mg/L			10/22/24 04:07	1
Sulfate	4.9		1.0	0.76	mg/L			10/22/24 04:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:37	1
Barium	0.036		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:37	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:24	1
Boron	0.053	J	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:03	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:37	1
Calcium	0.83	J	2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:37	1
Chromium	0.0012	J	0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:37	1
Cobalt	0.00024	J	0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:37	1
Molybdenum	0.0012	J	0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:24	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:37	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:37	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:37	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:24	1
Lithium	0.0062	J	0.025	0.0020	mg/L		10/23/24 06:01	10/25/24 21:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	130		10	10	mg/L			10/21/24 09:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.72				SU			10/17/24 10:48	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-6D

Date Collected: 10/17/24 14:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-16

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45**		1.0	0.71	mg/L			10/22/24 04:25	1
Fluoride	**0.17**	**J**	0.20	0.026	mg/L			10/22/24 04:25	1
Sulfate	**19**		1.0	0.76	mg/L			10/22/24 04:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0060**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:20	1
Barium	**0.19**		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:20	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:06	1
Boron	**0.066**	**J**	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:26	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:20	1
Calcium	**22**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:20	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:20	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:20	1
Molybdenum	**0.0029**	**J**	0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:06	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:20	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:20	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:20	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:06	1
Lithium	**0.022**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 16:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**220**		10	10	mg/L			10/21/24 09:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.95**				SU			10/17/24 14:55	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-8D

Date Collected: 10/17/24 10:08
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.6		1.0	0.71	mg/L			10/22/24 04:44	1
Fluoride	0.096	J	0.20	0.026	mg/L			10/22/24 04:44	1
Sulfate	5.4		1.0	0.76	mg/L			10/22/24 04:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0029	J	0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 18:50	1
Barium	0.074	^6+	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 18:50	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 18:50	1
Boron	0.048	J	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 22:28	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 18:50	1
Calcium	6.1		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 18:50	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 18:50	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 18:50	1
Molybdenum	0.0012	J	0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 18:50	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 18:50	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 18:50	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 18:50	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 18:50	1
Lithium	0.013	J	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	99		10	10	mg/L			10/21/24 09:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.58				SU			10/17/24 10:08	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: APMW-10D

Date Collected: 10/16/24 16:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-18

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.71	mg/L			10/22/24 05:02	1
Fluoride	**0.21**		0.20	0.026	mg/L			10/22/24 05:02	1
Sulfate	**5.7**		1.0	0.76	mg/L			10/22/24 05:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0072**	**J**	0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:39	1
Barium	**0.024**	**J**	0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:39	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:26	1
Boron	**0.11**	**J**	0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:07	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:39	1
Calcium	**2.6**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:39	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:39	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:39	1
Molybdenum	**0.0027**	**J**	0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:26	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:39	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:39	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:39	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:26	1
Lithium	**0.012**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/25/24 21:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			10/21/24 08:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.86**				SU			10/16/24 16:03	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: DUP-03

Date Collected: 10/17/24 07:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-19

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3500**		50	36	mg/L			10/22/24 07:32	50
Fluoride	**0.68**	**J**	1.0	0.13	mg/L			10/22/24 07:14	5
Sulfate	**610**		5.0	3.8	mg/L			10/22/24 07:14	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.027**		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:31	1
Barium	**0.27**		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:31	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:14	1
Boron	**19**		10	0.44	mg/L		10/23/24 06:01	10/25/24 20:42	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:31	1
Calcium	**480**		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:31	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:31	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:31	1
Molybdenum	**0.22**		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:14	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:31	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:31	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:31	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:14	1
Lithium	**0.081**		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 16:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6800**		100	100	mg/L			10/21/24 08:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: DUP-04

Date Collected: 10/17/24 13:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-20

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45**		1.0	0.71	mg/L			10/22/24 07:51	1
Fluoride	**0.17**	**J**	0.20	0.026	mg/L			10/22/24 07:51	1
Sulfate	**18**		1.0	0.76	mg/L			10/22/24 07:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0048**	**J**	0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:48	1
Barium	**0.18**	**^6+**	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:48	1
Boron	**0.061**	**J**	0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:36	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:48	1
Calcium	**22**		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:48	1
Chromium	**0.0013**	**J**	0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:48	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:48	1
Molybdenum	**0.0026**	**J**	0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:48	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:48	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:48	1
Lithium	**0.0083**	**J**	0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**220**		10	10	mg/L			10/21/24 09:06	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: EB-01

Date Collected: 10/16/24 15:50
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-21

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 00:25	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 00:25	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 00:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:33	1
Barium	**0.0012**	**J**	0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:33	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:20	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:55	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:33	1
Calcium	**0.60**	**J**	2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:33	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:33	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:33	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:20	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:33	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:33	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:33	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:20	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:01	10/25/24 20:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 08:30	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: FB-01

Date Collected: 10/16/24 15:44
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-22

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 17:27	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 17:27	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 17:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:35	1
Barium	<0.00089		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:35	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:22	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:59	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:35	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:35	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:35	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:35	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:22	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:35	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:35	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:35	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:22	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:01	10/25/24 20:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 08:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: EB-02

Date Collected: 10/17/24 09:58
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-23

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 08:09	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 08:09	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 08:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 14:25	1
Barium	**0.00092**	**J**	0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 14:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 16:12	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:38	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 14:25	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 14:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 14:25	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 14:25	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 16:12	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 14:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 14:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 14:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 16:12	1
Lithium	**0.0073**	**J**	0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 16:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 09:06	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: FB-02

Date Collected: 10/17/24 09:47
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-24

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 08:28	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 08:28	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 08:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:56	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:56	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:56	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:49	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:56	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:56	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:56	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:56	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:56	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:56	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 08:30	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: EB-03

Date Collected: 10/17/24 13:36
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-25

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 08:46	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 08:46	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 08:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:40	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:40	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:40	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:24	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:40	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:40	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:40	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:40	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:40	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:40	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:40	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:40	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:40	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 08:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

Client Sample ID: FB-03

Date Collected: 10/17/24 13:46
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-26

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 09:05	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 09:05	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 09:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:43	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:43	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:43	1
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:28	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:43	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:43	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:43	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:43	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:43	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:43	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:43	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:43	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:43	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/21/24 08:30	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-482306/6
Matrix: Water
Analysis Batch: 482306

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/21/24 11:22	1
Fluoride	<0.026		0.20	0.026	mg/L			10/21/24 11:22	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/24 11:22	1

Lab Sample ID: LCS 180-482306/7
Matrix: Water
Analysis Batch: 482306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.4		mg/L		101	90 - 110
Fluoride	2.50	2.57		mg/L		103	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Lab Sample ID: 180-181458-1 MS
Matrix: Water
Analysis Batch: 482306

Client Sample ID: APMW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.8		50.0	59.1		mg/L		101	90 - 110
Fluoride	0.066	J	2.50	2.39		mg/L		93	90 - 110
Sulfate	<0.76		50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: 180-181458-1 MSD
Matrix: Water
Analysis Batch: 482306

Client Sample ID: APMW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.8		50.0	58.1		mg/L		99	90 - 110	2	20
Fluoride	0.066	J	2.50	2.37		mg/L		92	90 - 110	1	20
Sulfate	<0.76		50.0	48.6		mg/L		97	90 - 110	0	20

Lab Sample ID: MB 180-482312/49
Matrix: Water
Analysis Batch: 482312

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 05:21	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 05:21	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 05:21	1

Lab Sample ID: MB 180-482312/6
Matrix: Water
Analysis Batch: 482312

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/21/24 11:38	1
Fluoride	<0.026		0.20	0.026	mg/L			10/21/24 11:38	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/24 11:38	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-482312/50
Matrix: Water
Analysis Batch: 482312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.8		mg/L		96	90 - 110
Fluoride	2.50	2.51		mg/L		101	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110

Lab Sample ID: LCS 180-482312/7
Matrix: Water
Analysis Batch: 482312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.48		mg/L		99	90 - 110
Sulfate	50.0	48.6		mg/L		97	90 - 110

Lab Sample ID: 180-181505-21 MS
Matrix: Water
Analysis Batch: 482312

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.71		50.0	47.4		mg/L		95	90 - 110
Fluoride	<0.026		2.50	2.51		mg/L		100	90 - 110
Sulfate	<0.76		50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: 180-181505-21 MSD
Matrix: Water
Analysis Batch: 482312

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.71		50.0	47.5		mg/L		95	90 - 110	0	20
Fluoride	<0.026		2.50	2.51		mg/L		100	90 - 110	0	20
Sulfate	<0.76		50.0	49.8		mg/L		100	90 - 110	1	20

Lab Sample ID: 180-181505-22 MS
Matrix: Water
Analysis Batch: 482312

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.71		50.0	48.1		mg/L		96	90 - 110
Fluoride	<0.026		2.50	2.55		mg/L		102	90 - 110
Sulfate	<0.76		50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: 180-181505-22 MSD
Matrix: Water
Analysis Batch: 482312

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.71		50.0	48.0		mg/L		96	90 - 110	0	20
Fluoride	<0.026		2.50	2.54		mg/L		102	90 - 110	0	20
Sulfate	<0.76		50.0	50.5		mg/L		101	90 - 110	0	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-482422/6
Matrix: Water
Analysis Batch: 482422

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/22/24 12:21	1
Fluoride	<0.026		0.20	0.026	mg/L			10/22/24 12:21	1
Sulfate	<0.76		1.0	0.76	mg/L			10/22/24 12:21	1

Lab Sample ID: LCS 180-482422/7
Matrix: Water
Analysis Batch: 482422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.9		mg/L		100	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	51.4		mg/L		103	90 - 110

Lab Sample ID: 180-181505-22 MS
Matrix: Water
Analysis Batch: 482422

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.71		50.0	48.5		mg/L		97	90 - 110
Fluoride	<0.026		2.50	2.57		mg/L		103	90 - 110
Sulfate	<0.76		50.0	51.0		mg/L		102	90 - 110

Lab Sample ID: 180-181505-22 MSD
Matrix: Water
Analysis Batch: 482422

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.71		50.0	48.5		mg/L		97	90 - 110	0	20
Fluoride	<0.026		2.50	2.57		mg/L		103	90 - 110	0	20
Sulfate	<0.76		50.0	51.0		mg/L		102	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-860741/1-A
Matrix: Water
Analysis Batch: 860951

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/23/24 12:01	1
Barium	<0.00089		0.025	0.00089	mg/L		10/23/24 06:01	10/23/24 12:01	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/23/24 12:01	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:01	10/23/24 12:01	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/23/24 12:01	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/23/24 12:01	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/23/24 12:01	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/23/24 12:01	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/23/24 12:01	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-860741/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 15:56	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 15:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 15:56	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 15:56	1

Lab Sample ID: MB 680-860741/1-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 20:06	1

Lab Sample ID: LCS 680-860741/2-A
Matrix: Water
Analysis Batch: 860951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.112		mg/L		112	80 - 120
Barium	0.100	0.111		mg/L		111	80 - 120
Cadmium	0.0500	0.0546		mg/L		109	80 - 120
Calcium	5.00	5.46		mg/L		109	80 - 120
Chromium	0.100	0.115		mg/L		115	80 - 120
Cobalt	0.0500	0.0545		mg/L		109	80 - 120
Lead	0.500	0.539		mg/L		108	80 - 120
Antimony	0.0500	0.0537		mg/L		107	80 - 120
Selenium	0.100	0.109		mg/L		109	80 - 120

Lab Sample ID: LCS 680-860741/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0485		mg/L		97	80 - 120
Molybdenum	0.100	0.0998		mg/L		100	80 - 120
Thallium	0.0500	0.0482		mg/L		96	80 - 120
Lithium	0.500	0.519		mg/L		104	80 - 120

Lab Sample ID: LCS 680-860741/2-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.411	J	mg/L		103	80 - 120

Lab Sample ID: MB 680-860742/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:01	10/24/24 17:59	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-860742/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 06:01	10/24/24 17:59	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:01	10/24/24 17:59	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:01	10/24/24 17:59	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:01	10/24/24 17:59	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:01	10/24/24 17:59	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:01	10/24/24 17:59	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:01	10/24/24 17:59	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:01	10/24/24 17:59	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:01	10/24/24 17:59	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:01	10/24/24 17:59	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:01	10/24/24 17:59	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:01	10/24/24 17:59	1

Lab Sample ID: MB 680-860742/1-A
Matrix: Water
Analysis Batch: 861582

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:01	10/25/24 21:23	1

Lab Sample ID: LCS 680-860742/25-A
Matrix: Water
Analysis Batch: 861582

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.500	0.491	J	mg/L		98	80 - 120

Lab Sample ID: LCS 680-860742/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.104	^6+	mg/L		104	80 - 120
Beryllium	0.0500	0.0495		mg/L		99	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Calcium	5.00	5.28		mg/L		106	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0497		mg/L		99	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Lead	0.500	0.506		mg/L		101	80 - 120
Antimony	0.0500	0.0502		mg/L		100	80 - 120
Selenium	0.100	0.0986		mg/L		99	80 - 120
Thallium	0.0500	0.0497		mg/L		99	80 - 120
Lithium	0.500	0.545		mg/L		109	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-860743/1-A
Matrix: Water
Analysis Batch: 861224

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 06:06	10/24/24 13:25	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 06:06	10/24/24 13:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 06:06	10/24/24 13:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 06:06	10/24/24 13:25	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 06:06	10/24/24 13:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 06:06	10/24/24 13:25	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 06:06	10/24/24 13:25	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 06:06	10/24/24 13:25	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 06:06	10/24/24 13:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 06:06	10/24/24 13:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 06:06	10/24/24 13:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 06:06	10/24/24 13:25	1

Lab Sample ID: MB 680-860743/1-A
Matrix: Water
Analysis Batch: 861582

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		10/23/24 06:06	10/25/24 18:00	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/23/24 06:06	10/25/24 18:00	1

Lab Sample ID: LCS 680-860743/17-A
Matrix: Water
Analysis Batch: 861582

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.500	0.510		mg/L		102	80 - 120
Lithium	0.500	0.527		mg/L		105	80 - 120

Lab Sample ID: LCS 680-860743/2-A
Matrix: Water
Analysis Batch: 861224

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.106		mg/L		106	80 - 120
Barium	0.100	0.110	^6+	mg/L		110	80 - 120
Beryllium	0.0500	0.0544		mg/L		109	80 - 120
Cadmium	0.0500	0.0530		mg/L		106	80 - 120
Calcium	5.00	5.33		mg/L		107	80 - 120
Chromium	0.100	0.112		mg/L		112	80 - 120
Cobalt	0.0500	0.0540		mg/L		108	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Lead	0.500	0.543		mg/L		109	80 - 120
Antimony	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.100	0.109		mg/L		109	80 - 120
Thallium	0.0500	0.0501		mg/L		100	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181505-8 MS
Matrix: Water
Analysis Batch: 861224

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.025		0.100	0.123		mg/L		98	75 - 125
Barium	0.26	^6+	0.100	0.343	^6+	mg/L		83	75 - 125
Beryllium	<0.00020		0.0500	0.0463		mg/L		93	75 - 125
Cadmium	<0.000078		0.0500	0.0476		mg/L		95	75 - 125
Calcium	440		5.00	414	4	mg/L		-612	75 - 125
Chromium	0.0012	J	0.100	0.0991		mg/L		99	75 - 125
Cobalt	<0.00022		0.0500	0.0472		mg/L		94	75 - 125
Molybdenum	0.21	F1	0.100	0.195	F1	mg/L		-12	75 - 125
Lead	<0.00021		0.500	0.507		mg/L		101	75 - 125
Antimony	<0.00034		0.0500	0.0492		mg/L		98	75 - 125
Selenium	0.0017	J	0.100	0.0993		mg/L		98	75 - 125
Thallium	<0.00026		0.0500	0.0436		mg/L		87	75 - 125

Lab Sample ID: 180-181505-8 MS
Matrix: Water
Analysis Batch: 861582

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.065		0.500	0.594		mg/L		106	75 - 125

Lab Sample ID: 180-181505-8 MS
Matrix: Water
Analysis Batch: 861703

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	18		0.400	18.3	4	mg/L		77	75 - 125

Lab Sample ID: 180-181505-8 MSD
Matrix: Water
Analysis Batch: 861224

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.025		0.100	0.127		mg/L		102	75 - 125	4	20
Barium	0.26	^6+	0.100	0.356	^6+	mg/L		96	75 - 125	4	20
Beryllium	<0.00020		0.0500	0.0470		mg/L		94	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0491		mg/L		98	75 - 125	3	20
Calcium	440		5.00	435	4	mg/L		-197	75 - 125	5	20
Chromium	0.0012	J	0.100	0.104		mg/L		104	75 - 125	4	20
Cobalt	<0.00022		0.0500	0.0494		mg/L		99	75 - 125	4	20
Molybdenum	0.21	F1	0.100	0.203	F1	mg/L		-3	75 - 125	4	20
Lead	<0.00021		0.500	0.532		mg/L		106	75 - 125	5	20
Antimony	<0.00034		0.0500	0.0511		mg/L		102	75 - 125	4	20
Selenium	0.0017	J	0.100	0.105		mg/L		103	75 - 125	5	20
Thallium	<0.00026		0.0500	0.0449		mg/L		90	75 - 125	3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181505-8 MSD
Matrix: Water
Analysis Batch: 861582

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.065		0.500	0.587		mg/L		105	75 - 125	1	20

Lab Sample ID: 180-181505-8 MSD
Matrix: Water
Analysis Batch: 861703

Client Sample ID: APMW-8
Prep Type: Total Recoverable
Prep Batch: 860743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	18		0.400	18.8	4	mg/L		195	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-860877/1-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 860877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:25	10/24/24 13:53	1

Lab Sample ID: LCS 680-860877/2-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 860877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.58		ug/L		103	80 - 120

Lab Sample ID: MB 680-860878/1-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 860878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 12:57	1

Lab Sample ID: LCS 680-860878/2-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 860878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.63		ug/L		105	80 - 120

Lab Sample ID: 180-181505-5 MS
Matrix: Water
Analysis Batch: 861222

Client Sample ID: APMW-5
Prep Type: Total/NA
Prep Batch: 860878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.080	F1 F2	1.00	0.681	F1	ug/L		68	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-181505-5 MSD — **Client Sample ID: APMW-5**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861222 — **Prep Batch: 860878**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.080	F1 F2	1.00	0.996	F2	ug/L		100	80 - 120	38	20

Lab Sample ID: MB 680-860909/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861222 — **Prep Batch: 860909**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 11:51	1

Lab Sample ID: LCS 680-860909/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861222 — **Prep Batch: 860909**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.70		ug/L		108	80 - 120

Lab Sample ID: 180-181505-4 MS — **Client Sample ID: APMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861222 — **Prep Batch: 860909**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.080		1.00	1.04		ug/L		104	80 - 120

Lab Sample ID: 180-181505-4 MSD — **Client Sample ID: APMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861222 — **Prep Batch: 860909**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.080		1.00	1.03		ug/L		103	80 - 120	1	20

Lab Sample ID: MB 680-861014/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861367 — **Prep Batch: 861014**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 13:58	1

Lab Sample ID: LCS 680-861014/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861367 — **Prep Batch: 861014**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.64		ug/L		106	80 - 120

Lab Sample ID: 180-181505-6 MS — **Client Sample ID: APMW-6R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 861367 — **Prep Batch: 861014**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.080		1.00	1.02		ug/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 180-181505-6 MSD
Matrix: Water
Analysis Batch: 861367

Client Sample ID: APMW-6R
Prep Type: Total/NA
Prep Batch: 861014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.080		1.00	0.990		ug/L		99	80 - 120	3	20

Lab Sample ID: MB 680-861074/1-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 861074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 11:51	1

Lab Sample ID: LCS 680-861074/2-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 861074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.55		ug/L		102	80 - 120

Lab Sample ID: MB 680-861080/1-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 861080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:32	10/25/24 14:40	1

Lab Sample ID: LCS 680-861080/2-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 861080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.69		ug/L		108	80 - 120

Lab Sample ID: 180-181505-11 MS
Matrix: Water
Analysis Batch: 861367

Client Sample ID: DUP-02
Prep Type: Total/NA
Prep Batch: 861080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.080		1.00	1.01		ug/L		101	80 - 120

Lab Sample ID: 180-181505-11 MSD
Matrix: Water
Analysis Batch: 861367

Client Sample ID: DUP-02
Prep Type: Total/NA
Prep Batch: 861080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.080		1.00	1.02		ug/L		102	80 - 120	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-482191/1
Matrix: Water
Analysis Batch: 482191

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/18/24 11:19	1

Lab Sample ID: LCS 180-482191/2
Matrix: Water
Analysis Batch: 482191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	416		mg/L		100	85 - 115

Lab Sample ID: MB 180-482193/1
Matrix: Water
Analysis Batch: 482193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/18/24 11:25	1

Lab Sample ID: LCS 180-482193/2
Matrix: Water
Analysis Batch: 482193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	410		mg/L		98	85 - 115

Lab Sample ID: MB 180-482289/1
Matrix: Water
Analysis Batch: 482289

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/21/24 08:30	1

Lab Sample ID: 180-181505-24 DU
Matrix: Water
Analysis Batch: 482289

Client Sample ID: FB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-482290/1
Matrix: Water
Analysis Batch: 482290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/21/24 08:46	1

Lab Sample ID: LCS 180-482290/2
Matrix: Water
Analysis Batch: 482290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	406		mg/L		97	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 180-181505-25 DU
Matrix: Water
Analysis Batch: 482290

Client Sample ID: EB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10			<10		mg/L				NC	10

Lab Sample ID: MB 180-482300/1
Matrix: Water
Analysis Batch: 482300

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/21/24 09:00	1

Lab Sample ID: LCS 180-482300/2
Matrix: Water
Analysis Batch: 482300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			417	412		mg/L		99	85 - 115		

Lab Sample ID: MB 180-482301/1
Matrix: Water
Analysis Batch: 482301

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/21/24 09:06	1

Lab Sample ID: LCS 180-482301/2
Matrix: Water
Analysis Batch: 482301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			417	420		mg/L		101	85 - 115		

Lab Sample ID: 180-181505-23 DU
Matrix: Water
Analysis Batch: 482301

Client Sample ID: EB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10			<10		mg/L				NC	10

QC Association Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-1

HPLC/IC

Analysis Batch: 482306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	300.0	
180-181458-2	APMW-12	Total/NA	Water	300.0	
180-181458-3	APMW-13	Total/NA	Water	300.0	
180-181458-3	APMW-13	Total/NA	Water	300.0	
180-181458-4	APMW-14	Total/NA	Water	300.0	
180-181458-4	APMW-14	Total/NA	Water	300.0	
180-181458-5	APMW-15	Total/NA	Water	300.0	
180-181458-5	APMW-15	Total/NA	Water	300.0	
180-181458-6	APMW-16	Total/NA	Water	300.0	
180-181458-6	APMW-16	Total/NA	Water	300.0	
180-181458-7	DUP-01	Total/NA	Water	300.0	
180-181458-7	DUP-01	Total/NA	Water	300.0	
MB 180-482306/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482306/7	Lab Control Sample	Total/NA	Water	300.0	
180-181458-1 MS	APMW-11	Total/NA	Water	300.0	
180-181458-1 MSD	APMW-11	Total/NA	Water	300.0	

Analysis Batch: 482312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	300.0	
180-181505-1	APMW-1R	Total/NA	Water	300.0	
180-181505-2	APMW-2	Total/NA	Water	300.0	
180-181505-2	APMW-2	Total/NA	Water	300.0	
180-181505-3	APMW-3	Total/NA	Water	300.0	
180-181505-3	APMW-3	Total/NA	Water	300.0	
180-181505-4	APMW-4	Total/NA	Water	300.0	
180-181505-4	APMW-4	Total/NA	Water	300.0	
180-181505-5	APMW-5	Total/NA	Water	300.0	
180-181505-5	APMW-5	Total/NA	Water	300.0	
180-181505-6	APMW-6R	Total/NA	Water	300.0	
180-181505-6	APMW-6R	Total/NA	Water	300.0	
180-181505-7	APMW-7	Total/NA	Water	300.0	
180-181505-7	APMW-7	Total/NA	Water	300.0	
180-181505-8	APMW-8	Total/NA	Water	300.0	
180-181505-8	APMW-8	Total/NA	Water	300.0	
180-181505-9	APMW-9	Total/NA	Water	300.0	
180-181505-9	APMW-9	Total/NA	Water	300.0	
180-181505-10	APMW-10	Total/NA	Water	300.0	
180-181505-10	APMW-10	Total/NA	Water	300.0	
180-181505-11	DUP-02	Total/NA	Water	300.0	
180-181505-12	APMW-2D	Total/NA	Water	300.0	
180-181505-13	APMW-3D	Total/NA	Water	300.0	
180-181505-14	APMW-4D	Total/NA	Water	300.0	
180-181505-14	APMW-4D	Total/NA	Water	300.0	
180-181505-15	APMW-5D	Total/NA	Water	300.0	
180-181505-16	APMW-6D	Total/NA	Water	300.0	
180-181505-17	APMW-8D	Total/NA	Water	300.0	
180-181505-18	APMW-10D	Total/NA	Water	300.0	
180-181505-19	DUP-03	Total/NA	Water	300.0	
180-181505-19	DUP-03	Total/NA	Water	300.0	
180-181505-20	DUP-04	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 482312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-21	EB-01	Total/NA	Water	300.0	
180-181505-23	EB-02	Total/NA	Water	300.0	
180-181505-24	FB-02	Total/NA	Water	300.0	
180-181505-25	EB-03	Total/NA	Water	300.0	
180-181505-26	FB-03	Total/NA	Water	300.0	
MB 180-482312/49	Method Blank	Total/NA	Water	300.0	
MB 180-482312/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482312/50	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-482312/7	Lab Control Sample	Total/NA	Water	300.0	
180-181505-21 MS	EB-01	Total/NA	Water	300.0	
180-181505-21 MSD	EB-01	Total/NA	Water	300.0	
180-181505-22 MS	FB-01	Total/NA	Water	300.0	
180-181505-22 MSD	FB-01	Total/NA	Water	300.0	

Analysis Batch: 482422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-22	FB-01	Total/NA	Water	300.0	
MB 180-482422/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482422/7	Lab Control Sample	Total/NA	Water	300.0	
180-181505-22 MS	FB-01	Total/NA	Water	300.0	
180-181505-22 MSD	FB-01	Total/NA	Water	300.0	

Metals

Prep Batch: 860741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-2	APMW-2	Total Recoverable	Water	3005A	
180-181505-13	APMW-3D	Total Recoverable	Water	3005A	
180-181505-14	APMW-4D	Total Recoverable	Water	3005A	
180-181505-15	APMW-5D	Total Recoverable	Water	3005A	
180-181505-16	APMW-6D	Total Recoverable	Water	3005A	
180-181505-18	APMW-10D	Total Recoverable	Water	3005A	
180-181505-19	DUP-03	Total Recoverable	Water	3005A	
180-181505-21	EB-01	Total Recoverable	Water	3005A	
180-181505-22	FB-01	Total Recoverable	Water	3005A	
180-181505-23	EB-02	Total Recoverable	Water	3005A	
MB 680-860741/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860741/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 860742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total Recoverable	Water	3005A	
180-181458-2	APMW-12	Total Recoverable	Water	3005A	
180-181458-3	APMW-13	Total Recoverable	Water	3005A	
180-181458-4	APMW-14	Total Recoverable	Water	3005A	
180-181458-5	APMW-15	Total Recoverable	Water	3005A	
180-181458-6	APMW-16	Total Recoverable	Water	3005A	
180-181458-7	DUP-01	Total Recoverable	Water	3005A	
180-181505-1	APMW-1R	Total Recoverable	Water	3005A	
180-181505-4	APMW-4	Total Recoverable	Water	3005A	
180-181505-5	APMW-5	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 860742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-17	APMW-8D	Total Recoverable	Water	3005A	
MB 680-860742/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860742/25-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 680-860742/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 860743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-3	APMW-3	Total Recoverable	Water	3005A	
180-181505-6	APMW-6R	Total Recoverable	Water	3005A	
180-181505-7	APMW-7	Total Recoverable	Water	3005A	
180-181505-8	APMW-8	Total Recoverable	Water	3005A	
180-181505-9	APMW-9	Total Recoverable	Water	3005A	
180-181505-10	APMW-10	Total Recoverable	Water	3005A	
180-181505-11	DUP-02	Total Recoverable	Water	3005A	
180-181505-12	APMW-2D	Total Recoverable	Water	3005A	
180-181505-20	DUP-04	Total Recoverable	Water	3005A	
180-181505-24	FB-02	Total Recoverable	Water	3005A	
180-181505-25	EB-03	Total Recoverable	Water	3005A	
180-181505-26	FB-03	Total Recoverable	Water	3005A	
MB 680-860743/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860743/17-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 680-860743/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-181505-8 MS	APMW-8	Total Recoverable	Water	3005A	
180-181505-8 MSD	APMW-8	Total Recoverable	Water	3005A	

Prep Batch: 860877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	7470A	
180-181458-2	APMW-12	Total/NA	Water	7470A	
180-181458-3	APMW-13	Total/NA	Water	7470A	
180-181458-4	APMW-14	Total/NA	Water	7470A	
180-181458-5	APMW-15	Total/NA	Water	7470A	
180-181458-6	APMW-16	Total/NA	Water	7470A	
180-181458-7	DUP-01	Total/NA	Water	7470A	
MB 680-860877/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-860877/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 860878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-5	APMW-5	Total/NA	Water	7470A	
MB 680-860878/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-860878/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-181505-5 MS	APMW-5	Total/NA	Water	7470A	
180-181505-5 MSD	APMW-5	Total/NA	Water	7470A	

Prep Batch: 860909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-4	APMW-4	Total/NA	Water	7470A	
MB 680-860909/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-860909/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-181505-4 MS	APMW-4	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 860909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-4 MSD	APMW-4	Total/NA	Water	7470A	

Analysis Batch: 860951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-2	APMW-2	Total Recoverable	Water	6020B	860741
180-181505-13	APMW-3D	Total Recoverable	Water	6020B	860741
180-181505-14	APMW-4D	Total Recoverable	Water	6020B	860741
180-181505-15	APMW-5D	Total Recoverable	Water	6020B	860741
180-181505-16	APMW-6D	Total Recoverable	Water	6020B	860741
180-181505-18	APMW-10D	Total Recoverable	Water	6020B	860741
180-181505-19	DUP-03	Total Recoverable	Water	6020B	860741
180-181505-21	EB-01	Total Recoverable	Water	6020B	860741
180-181505-22	FB-01	Total Recoverable	Water	6020B	860741
180-181505-23	EB-02	Total Recoverable	Water	6020B	860741
MB 680-860741/1-A	Method Blank	Total Recoverable	Water	6020B	860741
LCS 680-860741/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860741

Prep Batch: 861014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-6	APMW-6R	Total/NA	Water	7470A	
MB 680-861014/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861014/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-181505-6 MS	APMW-6R	Total/NA	Water	7470A	
180-181505-6 MSD	APMW-6R	Total/NA	Water	7470A	

Prep Batch: 861074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	7470A	
180-181505-3	APMW-3	Total/NA	Water	7470A	
180-181505-16	APMW-6D	Total/NA	Water	7470A	
MB 680-861074/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861074/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 861080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-2	APMW-2	Total/NA	Water	7470A	
180-181505-7	APMW-7	Total/NA	Water	7470A	
180-181505-8	APMW-8	Total/NA	Water	7470A	
180-181505-9	APMW-9	Total/NA	Water	7470A	
180-181505-10	APMW-10	Total/NA	Water	7470A	
180-181505-11	DUP-02	Total/NA	Water	7470A	
180-181505-12	APMW-2D	Total/NA	Water	7470A	
180-181505-13	APMW-3D	Total/NA	Water	7470A	
180-181505-14	APMW-4D	Total/NA	Water	7470A	
180-181505-15	APMW-5D	Total/NA	Water	7470A	
180-181505-17	APMW-8D	Total/NA	Water	7470A	
180-181505-18	APMW-10D	Total/NA	Water	7470A	
180-181505-19	DUP-03	Total/NA	Water	7470A	
180-181505-20	DUP-04	Total/NA	Water	7470A	
180-181505-21	EB-01	Total/NA	Water	7470A	
180-181505-22	FB-01	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 861080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-23	EB-02	Total/NA	Water	7470A	
180-181505-24	FB-02	Total/NA	Water	7470A	
180-181505-25	EB-03	Total/NA	Water	7470A	
180-181505-26	FB-03	Total/NA	Water	7470A	
MB 680-861080/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861080/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-181505-11 MS	DUP-02	Total/NA	Water	7470A	
180-181505-11 MSD	DUP-02	Total/NA	Water	7470A	

Analysis Batch: 861222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	7470A	860877
180-181458-2	APMW-12	Total/NA	Water	7470A	860877
180-181458-3	APMW-13	Total/NA	Water	7470A	860877
180-181458-4	APMW-14	Total/NA	Water	7470A	860877
180-181458-5	APMW-15	Total/NA	Water	7470A	860877
180-181458-6	APMW-16	Total/NA	Water	7470A	860877
180-181458-7	DUP-01	Total/NA	Water	7470A	860877
180-181505-4	APMW-4	Total/NA	Water	7470A	860909
180-181505-5	APMW-5	Total/NA	Water	7470A	860878
MB 680-860877/1-A	Method Blank	Total/NA	Water	7470A	860877
MB 680-860878/1-A	Method Blank	Total/NA	Water	7470A	860878
MB 680-860909/1-A	Method Blank	Total/NA	Water	7470A	860909
LCS 680-860877/2-A	Lab Control Sample	Total/NA	Water	7470A	860877
LCS 680-860878/2-A	Lab Control Sample	Total/NA	Water	7470A	860878
LCS 680-860909/2-A	Lab Control Sample	Total/NA	Water	7470A	860909
180-181505-4 MS	APMW-4	Total/NA	Water	7470A	860909
180-181505-4 MSD	APMW-4	Total/NA	Water	7470A	860909
180-181505-5 MS	APMW-5	Total/NA	Water	7470A	860878
180-181505-5 MSD	APMW-5	Total/NA	Water	7470A	860878

Analysis Batch: 861224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-3	APMW-3	Total Recoverable	Water	6020B	860743
180-181505-6	APMW-6R	Total Recoverable	Water	6020B	860743
180-181505-7	APMW-7	Total Recoverable	Water	6020B	860743
180-181505-8	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-9	APMW-9	Total Recoverable	Water	6020B	860743
180-181505-10	APMW-10	Total Recoverable	Water	6020B	860743
180-181505-11	DUP-02	Total Recoverable	Water	6020B	860743
180-181505-12	APMW-2D	Total Recoverable	Water	6020B	860743
180-181505-20	DUP-04	Total Recoverable	Water	6020B	860743
180-181505-24	FB-02	Total Recoverable	Water	6020B	860743
180-181505-25	EB-03	Total Recoverable	Water	6020B	860743
180-181505-26	FB-03	Total Recoverable	Water	6020B	860743
MB 680-860743/1-A	Method Blank	Total Recoverable	Water	6020B	860743
LCS 680-860743/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860743
180-181505-8 MS	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-8 MSD	APMW-8	Total Recoverable	Water	6020B	860743

Metals

Analysis Batch: 861295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total Recoverable	Water	6020B	860742
180-181458-2	APMW-12	Total Recoverable	Water	6020B	860742
180-181458-3	APMW-13	Total Recoverable	Water	6020B	860742
180-181458-4	APMW-14	Total Recoverable	Water	6020B	860742
180-181458-5	APMW-15	Total Recoverable	Water	6020B	860742
180-181458-6	APMW-16	Total Recoverable	Water	6020B	860742
180-181458-7	DUP-01	Total Recoverable	Water	6020B	860742
180-181505-1	APMW-1R	Total Recoverable	Water	6020B	860742
180-181505-2	APMW-2	Total Recoverable	Water	6020B	860741
180-181505-4	APMW-4	Total Recoverable	Water	6020B	860742
180-181505-5	APMW-5	Total Recoverable	Water	6020B	860742
180-181505-13	APMW-3D	Total Recoverable	Water	6020B	860741
180-181505-14	APMW-4D	Total Recoverable	Water	6020B	860741
180-181505-15	APMW-5D	Total Recoverable	Water	6020B	860741
180-181505-16	APMW-6D	Total Recoverable	Water	6020B	860741
180-181505-17	APMW-8D	Total Recoverable	Water	6020B	860742
180-181505-18	APMW-10D	Total Recoverable	Water	6020B	860741
180-181505-19	DUP-03	Total Recoverable	Water	6020B	860741
180-181505-21	EB-01	Total Recoverable	Water	6020B	860741
180-181505-22	FB-01	Total Recoverable	Water	6020B	860741
180-181505-23	EB-02	Total Recoverable	Water	6020B	860741
MB 680-860741/1-A	Method Blank	Total Recoverable	Water	6020B	860741
MB 680-860742/1-A	Method Blank	Total Recoverable	Water	6020B	860742
LCS 680-860741/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860741
LCS 680-860742/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860742

Analysis Batch: 861367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	7470A	861074
180-181505-2	APMW-2	Total/NA	Water	7470A	861080
180-181505-3	APMW-3	Total/NA	Water	7470A	861074
180-181505-6	APMW-6R	Total/NA	Water	7470A	861014
180-181505-7	APMW-7	Total/NA	Water	7470A	861080
180-181505-8	APMW-8	Total/NA	Water	7470A	861080
180-181505-9	APMW-9	Total/NA	Water	7470A	861080
180-181505-10	APMW-10	Total/NA	Water	7470A	861080
180-181505-11	DUP-02	Total/NA	Water	7470A	861080
180-181505-12	APMW-2D	Total/NA	Water	7470A	861080
180-181505-13	APMW-3D	Total/NA	Water	7470A	861080
180-181505-14	APMW-4D	Total/NA	Water	7470A	861080
180-181505-15	APMW-5D	Total/NA	Water	7470A	861080
180-181505-16	APMW-6D	Total/NA	Water	7470A	861074
180-181505-17	APMW-8D	Total/NA	Water	7470A	861080
180-181505-18	APMW-10D	Total/NA	Water	7470A	861080
180-181505-19	DUP-03	Total/NA	Water	7470A	861080
180-181505-20	DUP-04	Total/NA	Water	7470A	861080
180-181505-21	EB-01	Total/NA	Water	7470A	861080
180-181505-22	FB-01	Total/NA	Water	7470A	861080
180-181505-23	EB-02	Total/NA	Water	7470A	861080
180-181505-24	FB-02	Total/NA	Water	7470A	861080
180-181505-25	EB-03	Total/NA	Water	7470A	861080

Metals (Continued)

Analysis Batch: 861367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-26	FB-03	Total/NA	Water	7470A	861080
MB 680-861014/1-A	Method Blank	Total/NA	Water	7470A	861014
MB 680-861074/1-A	Method Blank	Total/NA	Water	7470A	861074
MB 680-861080/1-A	Method Blank	Total/NA	Water	7470A	861080
LCS 680-861014/2-A	Lab Control Sample	Total/NA	Water	7470A	861014
LCS 680-861074/2-A	Lab Control Sample	Total/NA	Water	7470A	861074
LCS 680-861080/2-A	Lab Control Sample	Total/NA	Water	7470A	861080
180-181505-6 MS	APMW-6R	Total/NA	Water	7470A	861014
180-181505-6 MSD	APMW-6R	Total/NA	Water	7470A	861014
180-181505-11 MS	DUP-02	Total/NA	Water	7470A	861080
180-181505-11 MSD	DUP-02	Total/NA	Water	7470A	861080

Analysis Batch: 861534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-2	APMW-2	Total Recoverable	Water	6020B	860741
180-181505-13	APMW-3D	Total Recoverable	Water	6020B	860741
180-181505-14	APMW-4D	Total Recoverable	Water	6020B	860741
180-181505-15	APMW-5D	Total Recoverable	Water	6020B	860741
180-181505-16	APMW-6D	Total Recoverable	Water	6020B	860741
180-181505-18	APMW-10D	Total Recoverable	Water	6020B	860741
180-181505-19	DUP-03	Total Recoverable	Water	6020B	860741
180-181505-21	EB-01	Total Recoverable	Water	6020B	860741
180-181505-22	FB-01	Total Recoverable	Water	6020B	860741
180-181505-23	EB-02	Total Recoverable	Water	6020B	860741
MB 680-860741/1-A	Method Blank	Total Recoverable	Water	6020B	860741
LCS 680-860741/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860741

Analysis Batch: 861582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total Recoverable	Water	6020B	860742
180-181458-2	APMW-12	Total Recoverable	Water	6020B	860742
180-181458-3	APMW-13	Total Recoverable	Water	6020B	860742
180-181458-4	APMW-14	Total Recoverable	Water	6020B	860742
180-181458-5	APMW-15	Total Recoverable	Water	6020B	860742
180-181458-6	APMW-16	Total Recoverable	Water	6020B	860742
180-181458-7	DUP-01	Total Recoverable	Water	6020B	860742
180-181505-1	APMW-1R	Total Recoverable	Water	6020B	860742
180-181505-3	APMW-3	Total Recoverable	Water	6020B	860743
180-181505-3	APMW-3	Total Recoverable	Water	6020B	860743
180-181505-4	APMW-4	Total Recoverable	Water	6020B	860742
180-181505-5	APMW-5	Total Recoverable	Water	6020B	860742
180-181505-6	APMW-6R	Total Recoverable	Water	6020B	860743
180-181505-6	APMW-6R	Total Recoverable	Water	6020B	860743
180-181505-7	APMW-7	Total Recoverable	Water	6020B	860743
180-181505-8	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-9	APMW-9	Total Recoverable	Water	6020B	860743
180-181505-9	APMW-9	Total Recoverable	Water	6020B	860743
180-181505-10	APMW-10	Total Recoverable	Water	6020B	860743
180-181505-10	APMW-10	Total Recoverable	Water	6020B	860743
180-181505-11	DUP-02	Total Recoverable	Water	6020B	860743
180-181505-12	APMW-2D	Total Recoverable	Water	6020B	860743

Metals (Continued)

Analysis Batch: 861582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-17	APMW-8D	Total Recoverable	Water	6020B	860742
180-181505-20	DUP-04	Total Recoverable	Water	6020B	860743
180-181505-24	FB-02	Total Recoverable	Water	6020B	860743
180-181505-25	EB-03	Total Recoverable	Water	6020B	860743
180-181505-26	FB-03	Total Recoverable	Water	6020B	860743
MB 680-860742/1-A	Method Blank	Total Recoverable	Water	6020B	860742
MB 680-860743/1-A	Method Blank	Total Recoverable	Water	6020B	860743
LCS 680-860742/25-A	Lab Control Sample	Total Recoverable	Water	6020B	860742
LCS 680-860743/17-A	Lab Control Sample	Total Recoverable	Water	6020B	860743
180-181505-8 MS	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-8 MSD	APMW-8	Total Recoverable	Water	6020B	860743

Analysis Batch: 861703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-8	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-8 MS	APMW-8	Total Recoverable	Water	6020B	860743
180-181505-8 MSD	APMW-8	Total Recoverable	Water	6020B	860743

General Chemistry

Analysis Batch: 482191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	SM 2540C	
180-181458-2	APMW-12	Total/NA	Water	SM 2540C	
MB 180-482191/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482191/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 482193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-3	APMW-13	Total/NA	Water	SM 2540C	
180-181458-4	APMW-14	Total/NA	Water	SM 2540C	
180-181458-5	APMW-15	Total/NA	Water	SM 2540C	
180-181458-6	APMW-16	Total/NA	Water	SM 2540C	
180-181458-7	DUP-01	Total/NA	Water	SM 2540C	
MB 180-482193/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482193/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 482289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-18	APMW-10D	Total/NA	Water	SM 2540C	
180-181505-21	EB-01	Total/NA	Water	SM 2540C	
180-181505-24	FB-02	Total/NA	Water	SM 2540C	
180-181505-26	FB-03	Total/NA	Water	SM 2540C	
MB 180-482289/1	Method Blank	Total/NA	Water	SM 2540C	
180-181505-24 DU	FB-02	Total/NA	Water	SM 2540C	

Analysis Batch: 482290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	SM 2540C	
180-181505-2	APMW-2	Total/NA	Water	SM 2540C	
180-181505-3	APMW-3	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 482290 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-4	APMW-4	Total/NA	Water	SM 2540C	
180-181505-5	APMW-5	Total/NA	Water	SM 2540C	
180-181505-6	APMW-6R	Total/NA	Water	SM 2540C	
180-181505-7	APMW-7	Total/NA	Water	SM 2540C	
180-181505-8	APMW-8	Total/NA	Water	SM 2540C	
180-181505-9	APMW-9	Total/NA	Water	SM 2540C	
180-181505-10	APMW-10	Total/NA	Water	SM 2540C	
180-181505-12	APMW-2D	Total/NA	Water	SM 2540C	
180-181505-14	APMW-4D	Total/NA	Water	SM 2540C	
180-181505-19	DUP-03	Total/NA	Water	SM 2540C	
180-181505-22	FB-01	Total/NA	Water	SM 2540C	
180-181505-25	EB-03	Total/NA	Water	SM 2540C	
MB 180-482290/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482290/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-181505-25 DU	EB-03	Total/NA	Water	SM 2540C	

Analysis Batch: 482300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-15	APMW-5D	Total/NA	Water	SM 2540C	
180-181505-17	APMW-8D	Total/NA	Water	SM 2540C	
MB 180-482300/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482300/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 482301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-11	DUP-02	Total/NA	Water	SM 2540C	
180-181505-13	APMW-3D	Total/NA	Water	SM 2540C	
180-181505-16	APMW-6D	Total/NA	Water	SM 2540C	
180-181505-20	DUP-04	Total/NA	Water	SM 2540C	
180-181505-23	EB-02	Total/NA	Water	SM 2540C	
MB 180-482301/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482301/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-181505-23 DU	EB-02	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 484128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	Field Sampling	
180-181505-2	APMW-2	Total/NA	Water	Field Sampling	
180-181505-3	APMW-3	Total/NA	Water	Field Sampling	
180-181505-4	APMW-4	Total/NA	Water	Field Sampling	
180-181505-5	APMW-5	Total/NA	Water	Field Sampling	
180-181505-6	APMW-6R	Total/NA	Water	Field Sampling	
180-181505-7	APMW-7	Total/NA	Water	Field Sampling	
180-181505-8	APMW-8	Total/NA	Water	Field Sampling	
180-181505-9	APMW-9	Total/NA	Water	Field Sampling	
180-181505-10	APMW-10	Total/NA	Water	Field Sampling	
180-181505-12	APMW-2D	Total/NA	Water	Field Sampling	
180-181505-13	APMW-3D	Total/NA	Water	Field Sampling	
180-181505-14	APMW-4D	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 484128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-15	APMW-5D	Total/NA	Water	Field Sampling	
180-181505-16	APMW-6D	Total/NA	Water	Field Sampling	
180-181505-17	APMW-8D	Total/NA	Water	Field Sampling	
180-181505-18	APMW-10D	Total/NA	Water	Field Sampling	

Analysis Batch: 484132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	Field Sampling	
180-181458-2	APMW-12	Total/NA	Water	Field Sampling	
180-181458-3	APMW-13	Total/NA	Water	Field Sampling	
180-181458-4	APMW-14	Total/NA	Water	Field Sampling	
180-181458-5	APMW-15	Total/NA	Water	Field Sampling	
180-181458-6	APMW-16	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hendershot / Todd Voress	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0182	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: AL, 35243	
Phone: 205-992-6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Plant Watson	Project #: 18020186
Site: Ash Pond	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-11	10-16-24	1231	G	W	No		X	X	X	X	X	X	4	
APMW-12	10-16-24	1012	G	W	No		X	X	X	X	X	X	4	
APMW-13	10-14-24	1712	G	W	No		X	X	X	X	X	X	4	
APMW-14	10-14-24	1622	G	W	No		X	X	X	X	X	X	4	
APMW-15	10-14-24	1522	G	W	No		X	X	X	X	X	X	4	
APMW-16	10-14-24	1408	G	W	No		X	X	X	X	X	X	4	
DUP-01	10-14-24	1308	G	W	No		X	X	X	X	X	X	4	

180-181458 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	10-16-24 1243	ROA ENV.		10/17/24 0915	GRAHAM
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer / TODD VOREIS	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:	
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 3	
Company: SCS				Job #:	
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:				
City: Birmingham	TAT Requested (days):				
State, Zip: AL, 35243					
Phone: 205-992-6283	PO #:				
Email: SCS Contacts	WO #:				
Project Name: Plant Watson	Project #: 18020186				
Site: Ash Pond	SSOW#:				

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-1R	10-16-24	1522	G	W	No		X	X	X	X	X	X	4	
APMW-2	10-16-24	1628	G	W	No		X	X	X	X	X	X	4	
APMW-3	10-17-24	0819	G	W	No		X	X	X	X	X	X	4	
APMW-4	10-17-24	1306	G	W	No		X	X	X	X	X	X	4	
APMW-5	10-17-24	1127	G	W	No		X	X	X	X	X	X	4	
APMW-6R	10-17-24	1345	G	W	No		X	X	X	X	X	X	4	
APMW-7	10-17-24	1117	G	W	No		X	X	X	X	X	X	4	
APMW-8	10-17-24	0840	G	W	No		X	X	X	X	X	X	4	
APMW-9	10-16-24	1835	G	W	No		X	X	X	X	X	X	4	
APMW-10	10-16-24	1740	G	W	No		X	X	X	X	X	X	4	
DUP-02	10-16-24	1503	G	W	No		X	X	X	X	X	X	4	

180-181505 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10-17-24 1544	ADH ENV.		10/18/24 900	EPIT NE
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / TODD VORIS	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No.
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 3
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson	Project #: 18020186			
Site: Ash Pond	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-2D	10-16-24	1732	G	W	No		X	X	X	X	X	X	4	
APMW-3D	10-17-24	0910	G	W	No		X	X	X	X	X	X	4	
APMW-4D	10-17-24	1415	G	W	No		X	X	X	X	X	X	4	
APMW-5D	10-17-24	1048	G	W	No		X	X	X	X	X	X	4	
APMW-6D	10-17-24	1455	G	W	No		X	X	X	X	X	X	4	
APMW-8D	10-17-24	1008	G	W	No		X	X	X	X	X	X	4	
APMW-10D	10-16-24	1603	G	W	No		X	X	X	X	X	X	4	
DUP-03	10-17-24	0740	G	W	No		X	X	X	X	X	X	4	
DUP-04	10-17-24	1355	G	W	No		X	X	X	X	X	X	4	
EB-01	10-16-24	1550	G	W	No		X	X	X	X	X	X	4	
FB-01	10-16-24	1544	G	W	No		X	X	X	X	X	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
[signature]	10-17-24 1544	ADH ENV.	[signature]	10/18/24 900	EUR.TT NL
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 3
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson	Project #: 18020186			
Site: Ash Pond	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
EB-02	10-17-24	0958	G	W	No		X	X	X	X	X	X	4	
FB-02	10-17-24	0947	G	W	No		X	X	X	X	X	X	4	
EB-03	10-17-24	1336	G	W	No		X	X	X	X	X	X	4	
FB-03	10-17-24	1346	G	W	No		X	X	X	X	X	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

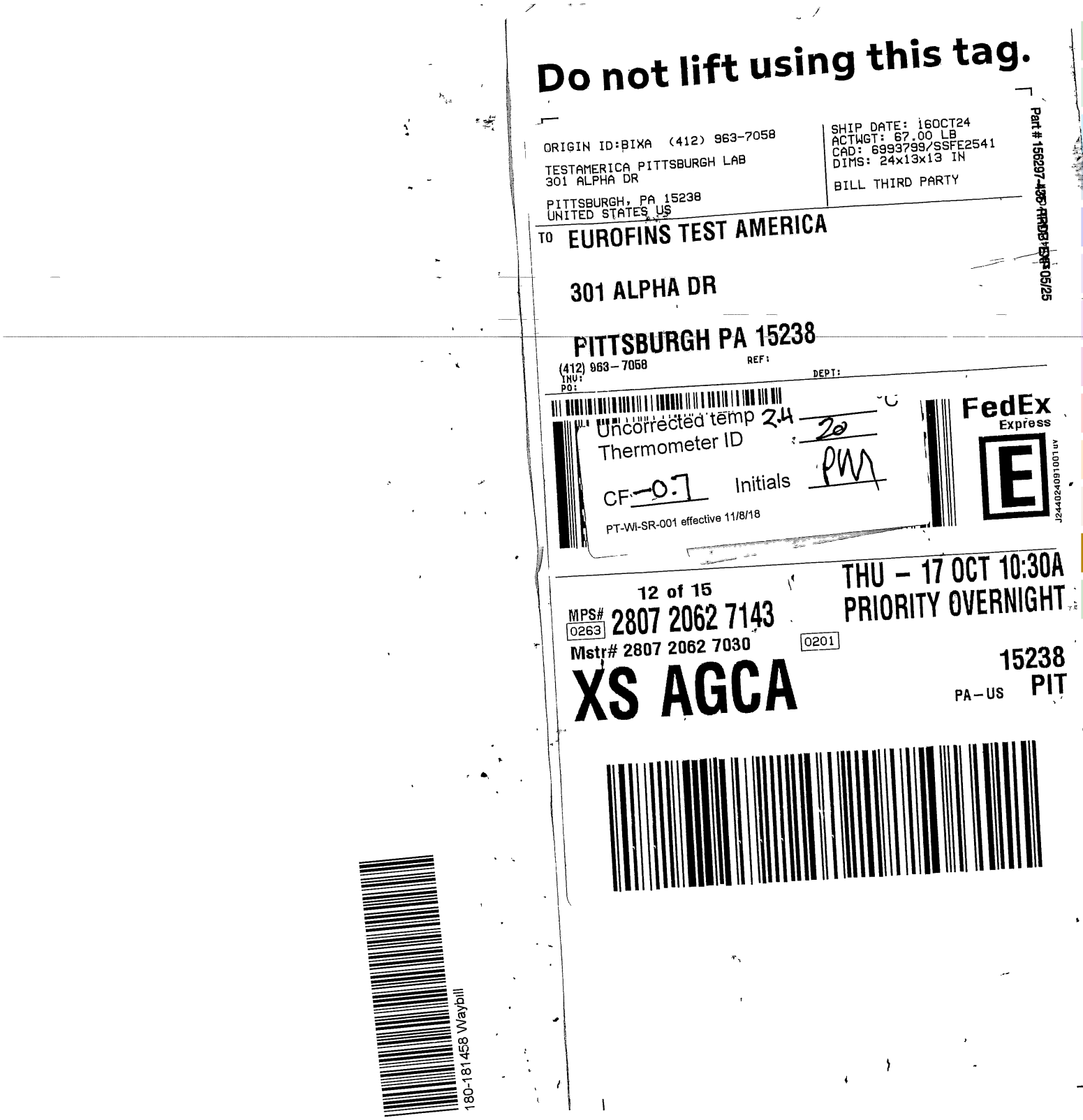
Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
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Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019



Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 20
CF -0.1 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

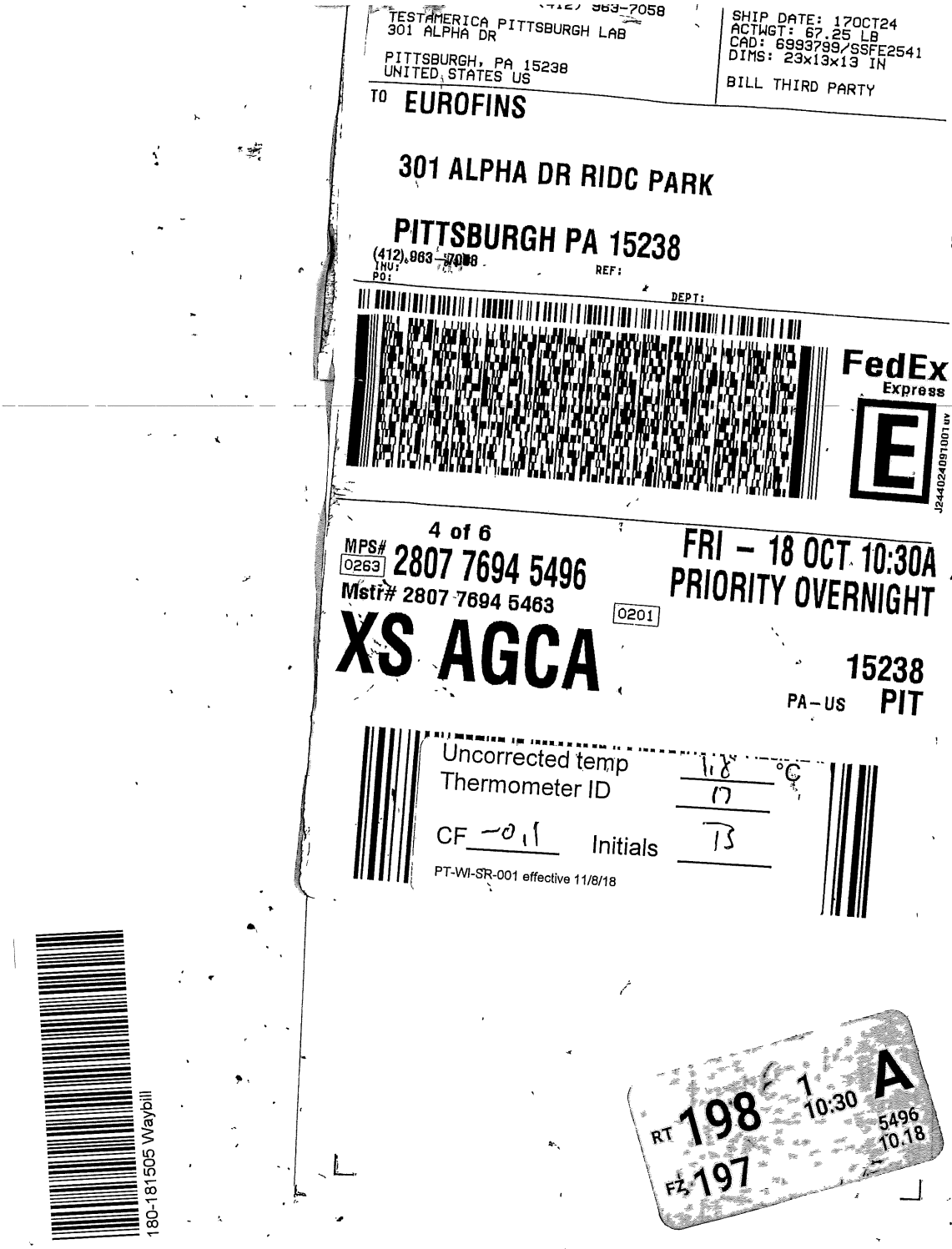
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THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

180-181458 Waybill


TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx
Express
4 of 6
MPS# 2807 7694 5496
0263
Mstr# 2807 7694 5463
0201
XS AGCA
FRI – 18 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT
Uncorrected temp 1.8 °C
Thermometer ID 17
CF -0.1 Initials TB
PT-WI-SR-001 effective 11/8/18
180-181505 Waybill
RT 198 1 10:30 A
FZ 197
5496
10.18



Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-405 REV EXP 05/25

FedEx Express

J244024091001un

3 of 6
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Mstr# 2807 7694 5463

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT

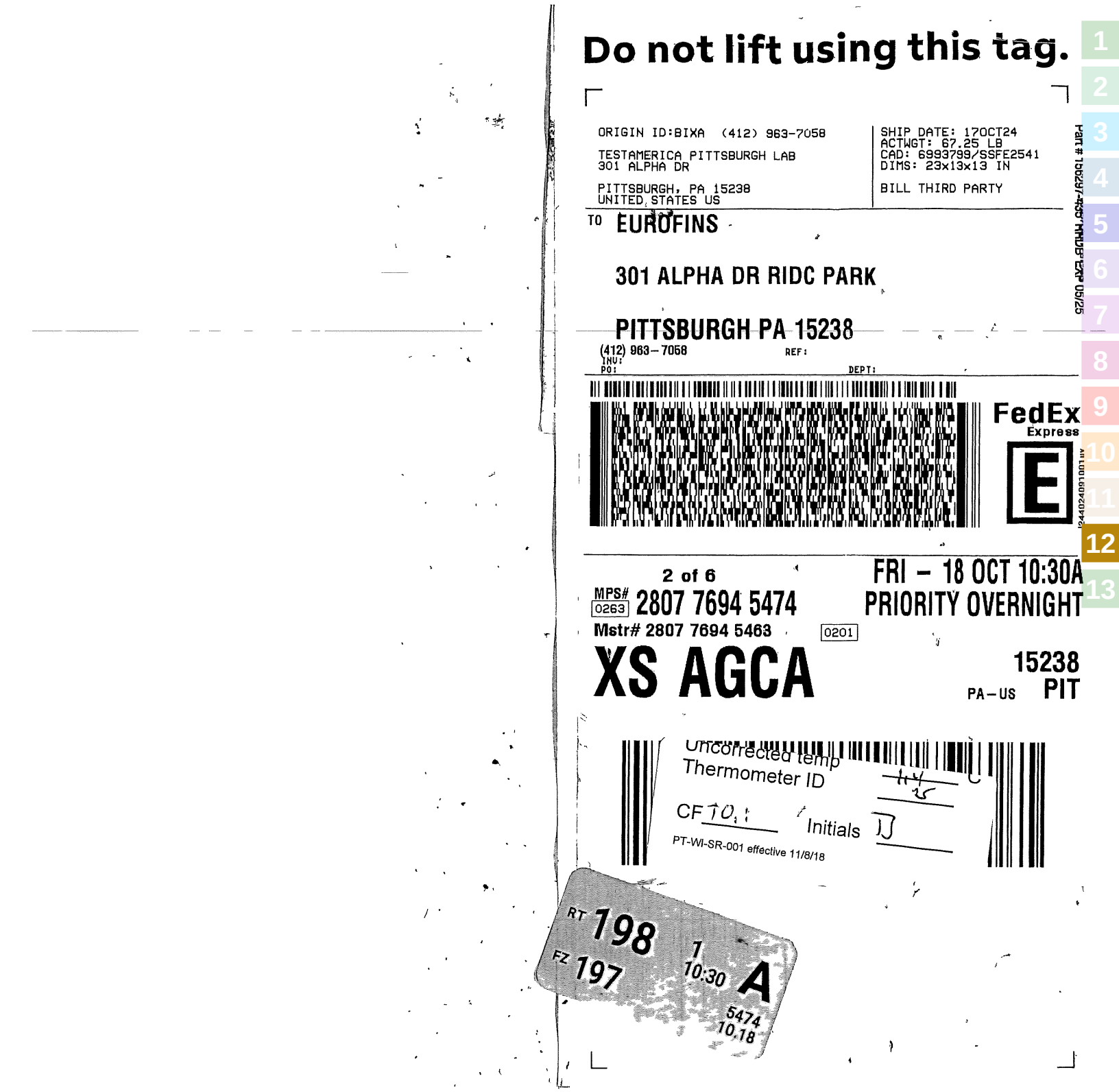
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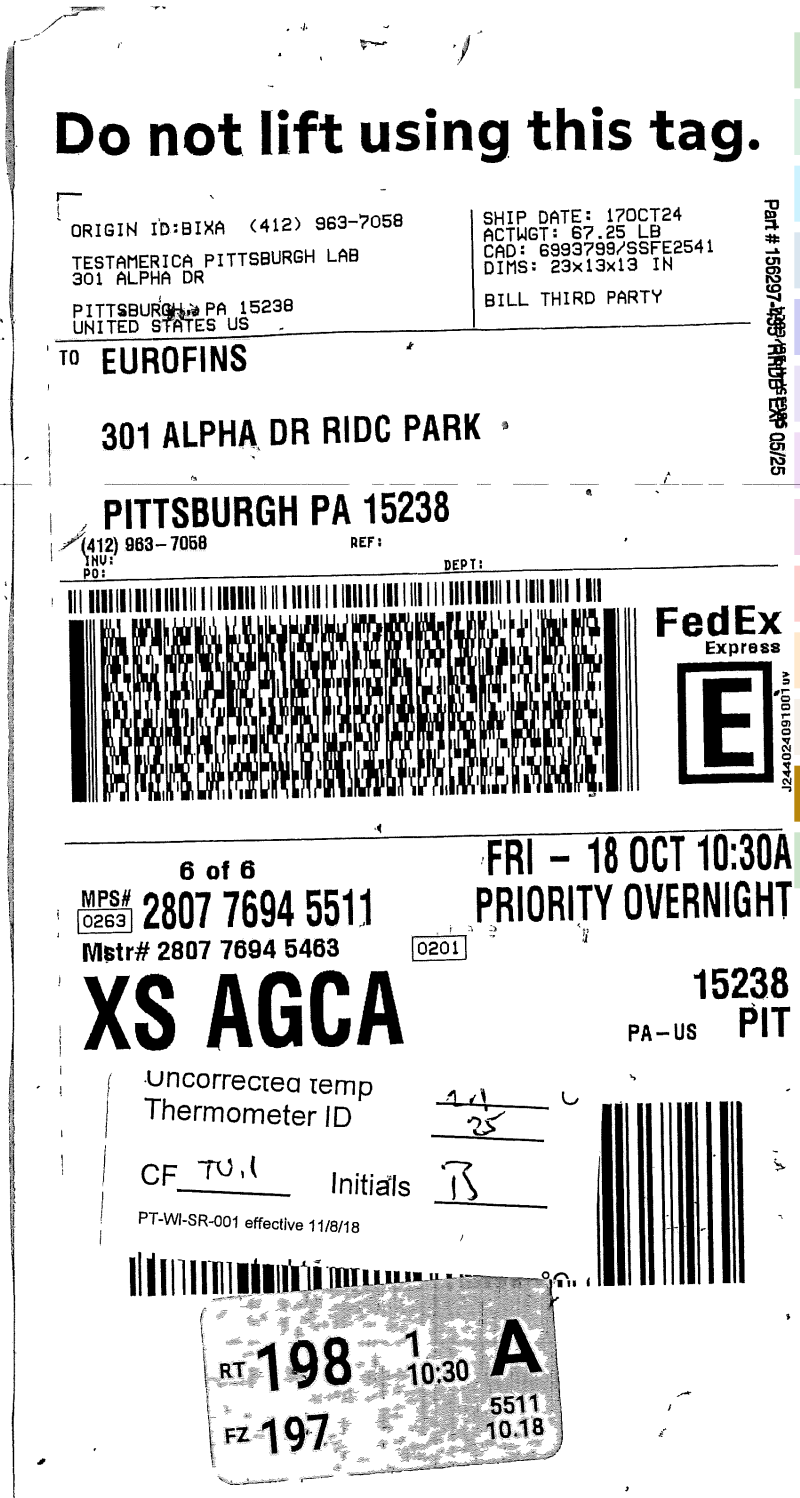
XS AGCA

15238
PA-US PIT

Uncorrected temp 4.6 °C
Thermometer ID 17
CF -0.1 Initials JS
PT-WI-SR-001 effective 11/8/18

FZ 197
RT 198 10:30 A


Do not lift using this tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF:
PO:
DEPT:
FedEx
Express
2 of 6
MPS# 0263 2807 7694 5474
Mstr# 2807 7694 5463
0201
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US
PIT
Uncorrected temp
Thermometer ID
CF
Initials
PT-WI-SR-001 effective 11/8/18
RT 198
FZ 197
1
10:30 A
5474
10.18


Do not lift using this tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
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REF:
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FedEx
Express
6 of 6
MPS# 0263 2807 7694 5511
Mstr# 2807 7694 5463
0201
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT
Uncorrected Temp
Thermometer ID
CF TC1
Initials
PT-WI-SR-001 effective 11/8/18
RT 198 1 10:30 A
FZ 197 5511 10.18



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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

FedEx Express

5 of 6
MPS# 0263 2807 7694 5500
Mstr# 2807 7694 5463
0201

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT

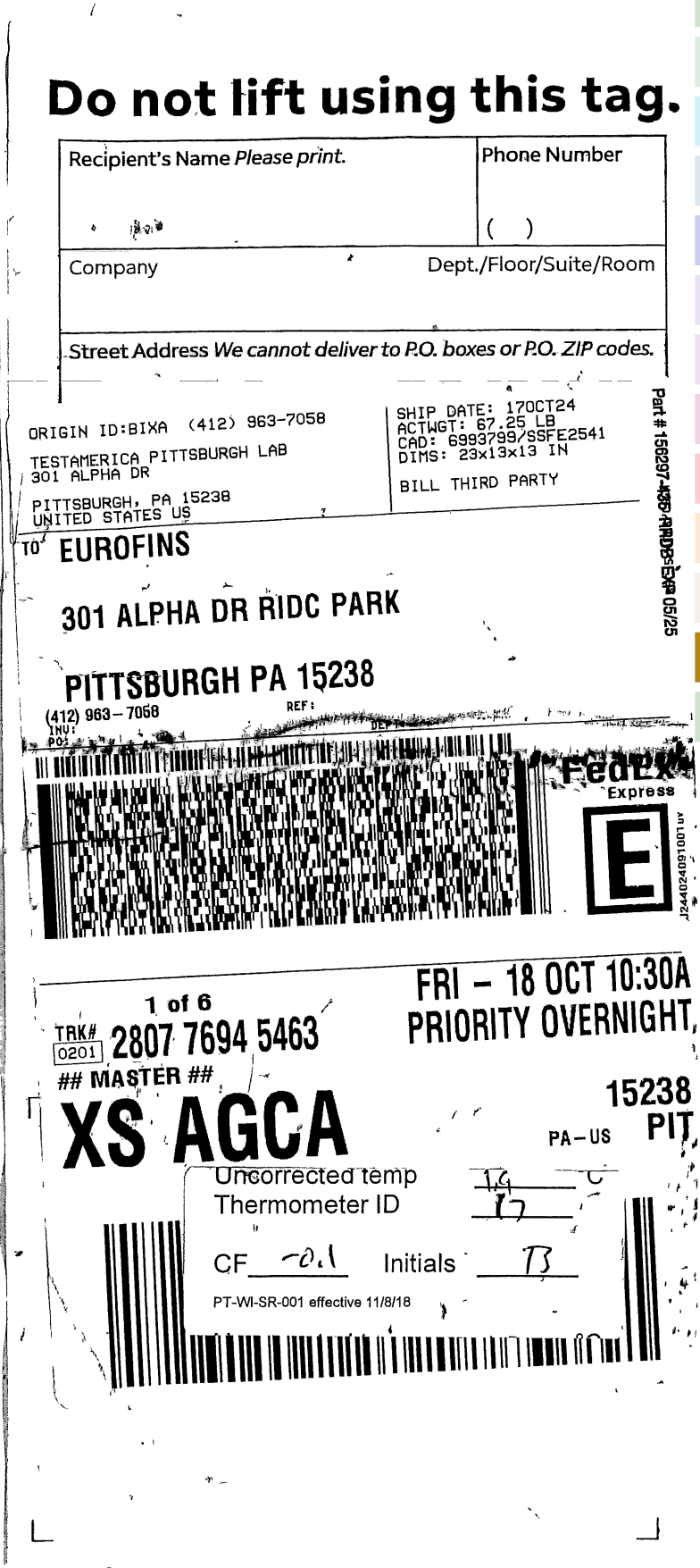
XS AGCA

15238
PA-US PIT

Uncorrected temp 4.5 °C
Thermometer ID 25
CF +0.1 Initials TB
PT-WI-SR-001 effective 11/8/18

RT 198 1 10:30 A
FZ 197 5500 10.18

Part # 156297-4000 REV 05/25
J244024091001 AV



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Company | Dept./Floor/Suite/Room

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TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

Part # 156297-438 RRD Exp 05/25

TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7068
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 6
TRK# 0201 2807 7694 5463
MASTER
XS AGCA

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
15238
PIT
PA-US

Uncorrected temp 1.6 C
Thermometer ID 17
CF -0.1 Initials TB
PT-WI-SR-001 effective 11/8/18

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181458-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
APMW-11 (180-181458-1)	10/16/24	12:31 Eastern	G	Water			X	X	1	
APMW-12 (180-181458-2)	10/16/24	10:12 Eastern	G	Water			X	X	1	
APMW-13 (180-181458-3)	10/14/24	17:12 Eastern	G	Water			X	X	1	
APMW-14 (180-181458-4)	10/14/24	16:22 Eastern	G	Water			X	X	1	
APMW-15 (180-181458-5)	10/14/24	15:22 Eastern	G	Water			X	X	1	
APMW-16 (180-181458-6)	10/14/24	14:08 Eastern	G	Water			X	X	1	
DUP-01 (180-181458-7)	10/14/24	13:08 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-21-24 17:00	EPTNE	[signature]	10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 11.9/11.9

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-1

Login Number: 181458
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-1

Login Number: 181458
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 10/22/24 04:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-1

Login Number: 181505
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-1

Login Number: 181505
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 10/22/24 04:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 11/29/2024 10:38:09 AM

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-181458-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

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Job Narrative
180-181458-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/17/2024 9:15 AM and 10/18/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.5°C, 1.6°C, 1.7°C, 1.7°C, 1.7°C, 1.7°C and 2.2°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 Prep Batch 160-684913:
The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences noted in the initial prep (yellow discoloration): APMW-15 (180-181458-5), APMW-16 (180-181458-6) and DUP-01 (180-181458-7). Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium 228 Batch 684923
The Radium-228 laboratory control sample (LCS) recovery associated with the following sample(s) is outside the upper QC limit of 125% indicating a potential positive bias for that analyte. This analyte was not observed above the MDC/RL in the associated samples; therefore the sample data is not adversely affected by this excursion. The data have been reported with this narrative. DUP-02 (180-181505-11), APMW-2D (180-181505-12), APMW-3D (180-181505-13), APMW-5D (180-181505-15), APMW-6D (180-181505-16), APMW-8D (180-181505-17), APMW-10D (180-181505-18), DUP-04 (180-181505-20), EB-01 (180-181505-21), FB-01 (180-181505-22), EB-02 (180-181505-23) and FB-02 (180-181505-24)

Method 9320_Ra228: Radium 228 batch 684923
The laboratory control sample (LCS) for preparation batch 160-684923 and analytical batch 160-688581 recovered outside the upper acceptance limits. The affected sample was chosen as batch QC and run in duplicate. Therefore there was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-181458-1	APMW-11	Water	10/16/24 12:31	10/17/24 09:15
180-181458-2	APMW-12	Water	10/16/24 10:12	10/17/24 09:15
180-181458-3	APMW-13	Water	10/14/24 17:12	10/17/24 09:15
180-181458-4	APMW-14	Water	10/14/24 16:22	10/17/24 09:15
180-181458-5	APMW-15	Water	10/14/24 15:22	10/17/24 09:15
180-181458-6	APMW-16	Water	10/14/24 14:08	10/17/24 09:15
180-181458-7	DUP-01	Water	10/14/24 13:08	10/17/24 09:15
180-181505-1	APMW-1R	Water	10/16/24 15:22	10/18/24 09:00
180-181505-2	APMW-2	Water	10/16/24 16:28	10/18/24 09:00
180-181505-3	APMW-3	Water	10/17/24 08:19	10/18/24 09:00
180-181505-4	APMW-4	Water	10/17/24 13:06	10/18/24 09:00
180-181505-5	APMW-5	Water	10/17/24 11:27	10/18/24 09:00
180-181505-6	APMW-6R	Water	10/17/24 13:45	10/18/24 09:00
180-181505-7	APMW-7	Water	10/17/24 11:17	10/18/24 09:00
180-181505-8	APMW-8	Water	10/17/24 08:40	10/18/24 09:00
180-181505-9	APMW-9	Water	10/16/24 18:35	10/18/24 09:00
180-181505-10	APMW-10	Water	10/16/24 17:40	10/18/24 09:00
180-181505-11	DUP-02	Water	10/16/24 15:03	10/18/24 09:00
180-181505-12	APMW-2D	Water	10/16/24 17:32	10/18/24 09:00
180-181505-13	APMW-3D	Water	10/17/24 09:10	10/18/24 09:00
180-181505-14	APMW-4D	Water	10/17/24 14:15	10/18/24 09:00
180-181505-15	APMW-5D	Water	10/17/24 10:48	10/18/24 09:00
180-181505-16	APMW-6D	Water	10/17/24 14:55	10/18/24 09:00
180-181505-17	APMW-8D	Water	10/17/24 10:08	10/18/24 09:00
180-181505-18	APMW-10D	Water	10/16/24 16:03	10/18/24 09:00
180-181505-19	DUP-03	Water	10/17/24 07:40	10/18/24 09:00
180-181505-20	DUP-04	Water	10/17/24 13:55	10/18/24 09:00
180-181505-21	EB-01	Water	10/16/24 15:50	10/18/24 09:00
180-181505-22	FB-01	Water	10/16/24 15:44	10/18/24 09:00
180-181505-23	EB-02	Water	10/17/24 09:58	10/18/24 09:00
180-181505-24	FB-02	Water	10/17/24 09:47	10/18/24 09:00
180-181505-25	EB-03	Water	10/17/24 13:36	10/18/24 09:00
180-181505-26	FB-03	Water	10/17/24 13:46	10/18/24 09:00

Method Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-11
Date Collected: 10/16/24 12:31
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			992.92 mL	1.0 g	684904	10/24/24 08:10	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 09:48	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			992.92 mL	1.0 g	684907	10/24/24 08:13	BCE	EET SL
Total/NA	Analysis	9320		1			688157	11/12/24 12:06	CMM	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689317	11/19/24 12:34	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-12
Date Collected: 10/16/24 10:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.33 mL	1.0 g	684904	10/24/24 08:10	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 09:48	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.33 mL	1.0 g	684907	10/24/24 08:13	BCE	EET SL
Total/NA	Analysis	9320		1			688157	11/12/24 12:06	CMM	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689317	11/19/24 12:34	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13
Date Collected: 10/14/24 17:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			738.66 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:20	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			738.66 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688157	11/12/24 12:08	CMM	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14
Date Collected: 10/14/24 16:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			981.24 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:20	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-14
Date Collected: 10/14/24 16:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			981.24 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688157	11/12/24 12:08	CMM	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15
Date Collected: 10/14/24 15:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.74 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			756.74 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688157	11/12/24 12:08	CMM	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-16
Date Collected: 10/14/24 14:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			735.29 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			735.29 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688056	11/12/24 13:18	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 10/14/24 13:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			742.46 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			742.46 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688056	11/12/24 13:18	CMM	EET SL
	Instrument ID: GFPCPROTEAN									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: DUP-01
Date Collected: 10/14/24 13:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL

Client Sample ID: APMW-1R
Date Collected: 10/16/24 15:22
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			988.72 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688645	11/15/24 22:13	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			988.72 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688234	11/13/24 13:24	SCB	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2
Date Collected: 10/16/24 16:28
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			987.94 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688645	11/15/24 22:13	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			987.94 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688238	11/13/24 14:21	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3
Date Collected: 10/17/24 08:19
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			985.10 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688645	11/15/24 22:14	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			985.10 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688238	11/13/24 14:21	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-4

Date Collected: 10/17/24 13:06
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.06 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688645	11/15/24 22:14	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.06 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688238	11/13/24 14:21	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 10/17/24 11:27
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.91 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 07:50	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			992.93 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:04	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R

Date Collected: 10/17/24 13:45
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.91 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:39	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1014.31 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:04	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7

Date Collected: 10/17/24 11:17
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			736.49 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:39	SWS	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-7
Date Collected: 10/17/24 11:17
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			755.67 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:04	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8
Date Collected: 10/17/24 08:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.06 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:39	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			996.06 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688581	11/14/24 15:08	FLC	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			690835	11/27/24 17:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9
Date Collected: 10/16/24 18:35
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.64 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:39	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1010.82 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:04	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10
Date Collected: 10/16/24 17:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.33 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:39	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1004.38 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:04	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-10

Date Collected: 10/16/24 17:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL

Client Sample ID: DUP-02

Date Collected: 10/16/24 15:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.32 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:40	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			995.32 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:11	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2D

Date Collected: 10/16/24 17:32
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.72 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689004	11/18/24 09:40	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1005.72 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:11	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D

Date Collected: 10/17/24 09:10
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1008.31 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1008.31 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D

Lab Sample ID: 180-181505-14

Date Collected: 10/17/24 14:15

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.86 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1012.72 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:05	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D

Lab Sample ID: 180-181505-15

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.62 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:43	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.62 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6D

Lab Sample ID: 180-181505-16

Date Collected: 10/17/24 14:55

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.78 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:43	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1005.78 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D

Lab Sample ID: 180-181505-17

Date Collected: 10/17/24 10:08

Matrix: Water

Date Received: 10/18/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1008.12 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:43	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-8D
Date Collected: 10/17/24 10:08
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1008.12 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D
Date Collected: 10/16/24 16:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.49 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:43	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1004.49 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 10/17/24 07:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1010.09 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689048	11/18/24 09:43	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1013.21 mL	1.0 g	689277	11/19/24 08:45	BCE	EET SL
Total/NA	Analysis	9320		1			690739	11/27/24 12:05	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			690830	11/27/24 17:00	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04
Date Collected: 10/17/24 13:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.96 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 09:48	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			994.96 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: DUP-04
Date Collected: 10/17/24 13:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL

Client Sample ID: EB-01
Date Collected: 10/16/24 15:50
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			987.00 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 09:48	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			987.00 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:12	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01
Date Collected: 10/16/24 15:44
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.36 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 09:48	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.36 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:13	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02
Date Collected: 10/17/24 09:58
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.37 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 09:48	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.37 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 14:13	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: FB-02

Date Collected: 10/17/24 09:47
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.38 mL	1.0 g	684901	10/24/24 08:05	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 09:48	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			994.38 mL	1.0 g	684923	10/24/24 08:55	BCE	EET SL
Total/NA	Analysis	9320		1			688562	11/14/24 14:10	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689316	11/19/24 12:32	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03

Date Collected: 10/17/24 13:36
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			989.12 mL	1.0 g	685123	10/25/24 08:32	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 07:49	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			989.12 mL	1.0 g	685126	10/25/24 08:42	BCE	EET SL
Total/NA	Analysis	9320		1			688429	11/14/24 15:17	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689248	11/18/24 17:07	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-03

Date Collected: 10/17/24 13:46
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.29 mL	1.0 g	685123	10/25/24 08:32	BCE	EET SL
Total/NA	Analysis	9315		1			689051	11/18/24 07:49	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.29 mL	1.0 g	685126	10/25/24 08:42	BCE	EET SL
Total/NA	Analysis	9320		1			688429	11/14/24 15:17	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689248	11/18/24 17:07	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Analyst References:

Lab: EET SL

Batch Type: Prep

BCE = Benjamin Celeslie

Batch Type: Analysis

CMM = Chelsea Mazariegos

FLC = Fernando Cruz

SCB = Sarah Bernsen

SWS = Seth Stubblefield

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-11

Date Collected: 10/16/24 12:31
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191	U	0.149	0.150	1.00	0.223	pCi/L	10/24/24 08:10	11/15/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*10/24/24 08:10*	*11/15/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.386	U	0.411	0.413	1.00	0.668	pCi/L	10/24/24 08:13	11/12/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:06*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.577	U	0.437	0.439	5.00	0.668	pCi/L		11/19/24 12:34	1

Client Sample ID: APMW-12

Date Collected: 10/16/24 10:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.293**		0.149	0.151	1.00	0.183	pCi/L	10/24/24 08:10	11/15/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/24/24 08:10*	*11/15/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.330	U	0.343	0.344	1.00	0.552	pCi/L	10/24/24 08:13	11/12/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:06*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.623**		0.374	0.376	5.00	0.552	pCi/L		11/19/24 12:34	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-13

Date Collected: 10/14/24 17:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.927		0.253	0.266	1.00	0.210	pCi/L	10/24/24 08:23	11/15/24 22:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29		0.591	0.603	1.00	0.796	pCi/L	10/24/24 08:25	11/12/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.22		0.643	0.659	5.00	0.796	pCi/L		11/18/24 16:58	1

Client Sample ID: APMW-14

Date Collected: 10/14/24 16:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.60		0.289	0.323	1.00	0.185	pCi/L	10/24/24 08:23	11/15/24 22:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.23		0.694	0.755	1.00	0.653	pCi/L	10/24/24 08:25	11/12/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*
Y Carrier	*73.3*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.83		0.752	0.821	5.00	0.653	pCi/L		11/18/24 16:58	1

Client Sample ID: APMW-15

Date Collected: 10/14/24 15:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.222		0.151	0.152	1.00	0.204	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29	G	0.712	0.722	1.00	1.03	pCi/L	10/24/24 08:25	11/12/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*
Y Carrier	*70.3*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.51		0.728	0.738	5.00	1.03	pCi/L		11/18/24 16:58	1

Client Sample ID: APMW-16

Date Collected: 10/14/24 14:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.554		0.211	0.217	1.00	0.211	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.30	G	0.833	0.842	1.00	1.26	pCi/L	10/24/24 08:25	11/12/24 13:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*
Y Carrier	*77.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.86		0.859	0.870	5.00	1.26	pCi/L		11/18/24 16:58	1

Client Sample ID: DUP-01

Date Collected: 10/14/24 13:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181458-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.526		0.203	0.209	1.00	0.208	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.61	G	0.798	0.812	1.00	1.10	pCi/L	10/24/24 08:25	11/12/24 13:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.14		0.823	0.838	5.00	1.10	pCi/L		11/18/24 16:58	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-1R

Date Collected: 10/16/24 15:22
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.83		0.532	0.747	1.00	0.166	pCi/L	10/24/24 08:15	11/15/24 22:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.86		1.03	1.26	1.00	0.746	pCi/L	10/24/24 08:17	11/13/24 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.7		1.16	1.46	5.00	0.746	pCi/L		11/18/24 13:27	1

Client Sample ID: APMW-2

Date Collected: 10/16/24 16:28
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	10.3		0.688	1.16	1.00	0.148	pCi/L	10/24/24 08:15	11/15/24 22:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.57		0.918	1.15	1.00	0.576	pCi/L	10/24/24 08:17	11/13/24 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*
Y Carrier	*88.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	17.9		1.15	1.63	5.00	0.576	pCi/L		11/18/24 13:27	1

Client Sample ID: APMW-3

Date Collected: 10/17/24 08:19
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.460		0.175	0.180	1.00	0.167	pCi/L	10/24/24 08:15	11/15/24 22:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.88		1.02	1.15	1.00	0.869	pCi/L	10/24/24 08:17	11/13/24 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*
Y Carrier	*74.4*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.34		1.03	1.16	5.00	0.869	pCi/L		11/18/24 13:27	1

Client Sample ID: APMW-4

Date Collected: 10/17/24 13:06
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.273		0.168	0.170	1.00	0.217	pCi/L	10/24/24 08:15	11/15/24 22:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.627	0.634	1.00	0.907	pCi/L	10/24/24 08:17	11/13/24 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/24/24 08:17*	*11/13/24 14:21*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.32		0.649	0.656	5.00	0.907	pCi/L		11/18/24 13:27	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-5

Date Collected: 10/17/24 11:27
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.467		0.165	0.171	1.00	0.168	pCi/L	10/24/24 08:05	11/18/24 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*10/24/24 08:05*	*11/18/24 07:50*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.32		0.620	0.692	1.00	0.526	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.79		0.642	0.713	5.00	0.526	pCi/L		11/27/24 17:00	1

Client Sample ID: APMW-6R

Date Collected: 10/17/24 13:45
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.363		0.142	0.146	1.00	0.163	pCi/L	10/24/24 08:05	11/18/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:39*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.43		0.593	0.633	1.00	0.626	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*75.5*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.80		0.610	0.650	5.00	0.626	pCi/L		11/27/24 17:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-7

Date Collected: 10/17/24 11:17
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.15		0.439	0.523	1.00	0.228	pCi/L	10/24/24 08:05	11/18/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.9*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:39*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.81		0.905	1.05	1.00	0.749	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.96		1.01	1.17	5.00	0.749	pCi/L		11/27/24 17:00	1

Client Sample ID: APMW-8

Date Collected: 10/17/24 08:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.10		0.227	0.248	1.00	0.158	pCi/L	10/24/24 08:05	11/18/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:39*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.14	*	1.19	1.40	1.00	0.980	pCi/L	10/24/24 08:55	11/14/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/24/24 08:55*	*11/14/24 15:08*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/24/24 08:55*	*11/14/24 15:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	9.23		1.21	1.42	5.00	0.980	pCi/L		11/27/24 17:26	1

Client Sample ID: APMW-9

Date Collected: 10/16/24 18:35
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.22		0.310	0.369	1.00	0.149	pCi/L	10/24/24 08:05	11/18/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:39*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.97		0.785	0.958	1.00	0.535	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.20		0.844	1.03	5.00	0.535	pCi/L		11/27/24 17:00	1

Client Sample ID: APMW-10

Date Collected: 10/16/24 17:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.23		0.239	0.263	1.00	0.161	pCi/L	10/24/24 08:05	11/18/24 09:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:39*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.98		0.612	0.638	1.00	0.749	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*77.8*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.21		0.657	0.690	5.00	0.749	pCi/L		11/27/24 17:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: DUP-02

Date Collected: 10/16/24 15:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0409	U	0.0973	0.0974	1.00	0.176	pCi/L	10/24/24 08:05	11/18/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:40*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.228	U *	0.379	0.380	1.00	0.647	pCi/L	10/24/24 08:55	11/14/24 14:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:11*	*1*
Y Carrier	*75.1*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:11*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.269	U	0.391	0.392	5.00	0.647	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-2D

Date Collected: 10/16/24 17:32
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0621	U	0.0874	0.0876	1.00	0.148	pCi/L	10/24/24 08:05	11/18/24 09:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:40*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.243	U *	0.297	0.298	1.00	0.491	pCi/L	10/24/24 08:55	11/14/24 14:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:11*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:11*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.305	U	0.310	0.311	5.00	0.491	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-3D

Date Collected: 10/17/24 09:10
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.341**		0.132	0.136	1.00	0.126	pCi/L	10/24/24 08:05	11/18/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.599	U *	0.416	0.420	1.00	0.624	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*75.1*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.940**		0.436	0.441	5.00	0.624	pCi/L		11/19/24 12:32	1

Client Sample ID: APMW-4D

Date Collected: 10/17/24 14:15
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.742		0.191	0.202	1.00	0.138	pCi/L	10/24/24 08:05	11/18/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.01		0.896	1.10	1.00	0.586	pCi/L	11/19/24 08:45	11/27/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:05*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.75		0.916	1.12	5.00	0.586	pCi/L		11/27/24 17:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-5D

Date Collected: 10/17/24 10:48
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.137		0.0939	0.0947	1.00	0.120	pCi/L	10/24/24 08:05	11/18/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:43*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.503	U *	0.467	0.470	1.00	0.744	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*70.3*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.640	U	0.476	0.479	5.00	0.744	pCi/L		11/19/24 12:32	1

Client Sample ID: APMW-6D

Date Collected: 10/17/24 14:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.538		0.159	0.166	1.00	0.136	pCi/L	10/24/24 08:05	11/18/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:43*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.774	*	0.435	0.441	1.00	0.627	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.31		0.463	0.471	5.00	0.627	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-8D

Date Collected: 10/17/24 10:08
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-17

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.163	U	0.118	0.119	1.00	0.165	pCi/L	10/24/24 08:05	11/18/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:43*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.988**	*	0.514	0.522	1.00	0.704	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.8*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*70.7*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.15**		0.527	0.535	5.00	0.704	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: APMW-10D

Date Collected: 10/16/24 16:03
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-18

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0104	U	0.0761	0.0761	1.00	0.154	pCi/L	10/24/24 08:05	11/18/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:43*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.494	U *	0.467	0.469	1.00	0.741	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*66.5*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.505	U	0.473	0.475	5.00	0.741	pCi/L		11/19/24 12:32	1

Client Sample ID: DUP-03

Date Collected: 10/17/24 07:40
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-19

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.12		0.226	0.247	1.00	0.111	pCi/L	10/24/24 08:05	11/18/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:43*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.07		0.627	0.730	1.00	0.496	pCi/L	11/19/24 08:45	11/27/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:05*	*1*
Y Carrier	*94.6*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.19		0.666	0.771	5.00	0.496	pCi/L		11/27/24 17:00	1

Client Sample ID: DUP-04

Date Collected: 10/17/24 13:55
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-20

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.510		0.161	0.167	1.00	0.145	pCi/L	10/24/24 08:05	11/18/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.924	*	0.435	0.443	1.00	0.584	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*77.8*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.43		0.464	0.473	5.00	0.584	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: EB-01

Date Collected: 10/16/24 15:50
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-21

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0812	U	0.103	0.103	1.00	0.171	pCi/L	10/24/24 08:05	11/18/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0179	U *	0.461	0.461	1.00	0.844	pCi/L	10/24/24 08:55	11/14/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*
Y Carrier	*76.6*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:12*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0992	U	0.472	0.472	5.00	0.844	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: FB-01

Date Collected: 10/16/24 15:44
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-22

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0910	U	0.115	0.115	1.00	0.190	pCi/L	10/24/24 08:05	11/18/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.487	U *	0.429	0.431	1.00	0.672	pCi/L	10/24/24 08:55	11/14/24 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:13*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.578	U	0.444	0.446	5.00	0.672	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: EB-02

Date Collected: 10/17/24 09:58
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-23

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00977	U	0.0968	0.0968	1.00	0.195	pCi/L	10/24/24 08:05	11/18/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0233	U *	0.424	0.424	1.00	0.779	pCi/L	10/24/24 08:55	11/14/24 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:13*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0330	U	0.435	0.435	5.00	0.779	pCi/L		11/19/24 12:32	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-181458-2

Client Sample ID: FB-02

Date Collected: 10/17/24 09:47
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-24

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0202	U	0.0902	0.0902	1.00	0.192	pCi/L	10/24/24 08:05	11/18/24 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/24/24 08:05*	*11/18/24 09:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454	U *	0.451	0.453	1.00	0.727	pCi/L	10/24/24 08:55	11/14/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:10*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/24/24 08:55*	*11/14/24 14:10*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.434	U	0.460	0.462	5.00	0.727	pCi/L		11/19/24 12:32	1

Client Sample ID: EB-03

Date Collected: 10/17/24 13:36
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-25

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0901	U	0.111	0.111	1.00	0.184	pCi/L	10/25/24 08:32	11/18/24 07:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.1*		*30 - 110*	*10/25/24 08:32*	*11/18/24 07:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.41**		0.764	0.865	1.00	0.629	pCi/L	10/25/24 08:42	11/14/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.1*		*30 - 110*	*10/25/24 08:42*	*11/14/24 15:17*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/25/24 08:42*	*11/14/24 15:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**4.50**		0.772	0.872	5.00	0.629	pCi/L		11/18/24 17:07	1

Client Sample ID: FB-03

Date Collected: 10/17/24 13:46
Date Received: 10/18/24 09:00

Lab Sample ID: 180-181505-26

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0954	U	0.0897	0.0901	1.00	0.137	pCi/L	10/25/24 08:32	11/18/24 07:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/25/24 08:32*	*11/18/24 07:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0387	U	0.346	0.346	1.00	0.677	pCi/L	10/25/24 08:42	11/14/24 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/25/24 08:42*	*11/14/24 15:17*	*1*
Y Carrier	*67.3*		*30 - 110*	*10/25/24 08:42*	*11/14/24 15:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0567	U	0.357	0.358	5.00	0.677	pCi/L		11/18/24 17:07	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-684901/1-A
Matrix: Water
Analysis Batch: 689004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684901

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1571	U	0.115	0.116	1.00	0.165	pCi/L	10/24/24 08:05	11/18/24 07:49	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:05*	*11/18/24 07:49*	*1*

Lab Sample ID: LCS 160-684901/2-A
Matrix: Water
Analysis Batch: 689004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684901

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.618		1.08	1.00	0.188	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*

Lab Sample ID: 180-181505-8 DU
Matrix: Water
Analysis Batch: 689004

Client Sample ID: APMW-8
Prep Type: Total/NA
Prep Batch: 684901

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	1.10			0.9145		0.218	1.00	0.136	pCi/L			0.39	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*91.2*		*30 - 110*

Lab Sample ID: MB 160-684904/1-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684904

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04502	U	0.0927	0.0927	1.00	0.167	pCi/L	10/24/24 08:10	11/15/24 09:49	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/24/24 08:10*	*11/15/24 09:49*	*1*

Lab Sample ID: LCS 160-684904/2-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684904

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.095		0.958	1.00	0.209	pCi/L	85	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-684904/2-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684904

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.4		30 - 110

Lab Sample ID: MB 160-684908/1-A
Matrix: Water
Analysis Batch: 688683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684908

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.04703	U	0.0898	0.0899	1.00	0.206	pCi/L	10/24/24 08:15	11/15/24 20:11	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110	10/24/24 08:15	11/15/24 20:11	1

Lab Sample ID: LCS 160-684908/2-A
Matrix: Water
Analysis Batch: 688683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684908

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.747		1.02	1.00	0.158	pCi/L	91	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.1		30 - 110

Lab Sample ID: MB 160-684912/1-A
Matrix: Water
Analysis Batch: 688645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684912

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07008	U	0.0707	0.0710	1.00	0.106	pCi/L	10/24/24 08:23	11/15/24 22:15	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110	10/24/24 08:23	11/15/24 22:15	1

Lab Sample ID: LCS 160-684912/2-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684912

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.603		0.884	1.00	0.144	pCi/L	79	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 180-181458-4 DU
Matrix: Water
Analysis Batch: 688682

Client Sample ID: APMW-14
Prep Type: Total/NA
Prep Batch: 684912

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	1.60			1.469		0.289	1.00	0.167	pCi/L			0.21	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*

Lab Sample ID: MB 160-685123/1-A
Matrix: Water
Analysis Batch: 689048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685123

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1152	U	0.0907	0.0913	1.00	0.130	pCi/L	10/25/24 08:32	11/18/24 07:41	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*10/25/24 08:32*	*11/18/24 07:41*	*1*

Lab Sample ID: LCS 160-685123/2-A
Matrix: Water
Analysis Batch: 689048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685123

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.477		1.05	1.00	0.103	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.1*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-684907/1-A
Matrix: Water
Analysis Batch: 688158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684907

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4639	U	0.372	0.375	1.00	0.579	pCi/L	10/24/24 08:13	11/12/24 12:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:07*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/24/24 08:13*	*11/12/24 12:07*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-684907/2-A
Matrix: Water
Analysis Batch: 688158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684907

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	8.549		1.21	1.00	0.546	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.4*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: MB 160-684909/1-A
Matrix: Water
Analysis Batch: 688342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684909

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2319	U	0.326	0.327	1.00	0.549	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Lab Sample ID: LCS 160-684909/2-A
Matrix: Water
Analysis Batch: 688342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684909

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	7.508		1.09	1.00	0.504	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.1*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

Lab Sample ID: MB 160-684913/1-A
Matrix: Water
Analysis Batch: 688157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684913

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1648	U	0.259	0.260	1.00	0.536	pCi/L	10/24/24 08:25	11/12/24 12:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:07*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-684913/2-A
Matrix: Water
Analysis Batch: 688157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684913

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	7.994		1.15	1.00	0.553	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*
Y Carrier	*80.7*		*30 - 110*

Lab Sample ID: 180-181458-4 DU
Matrix: Water
Analysis Batch: 688157

Client Sample ID: APMW-14
Prep Type: Total/NA
Prep Batch: 684913

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	3.23			2.746		0.599	1.00	0.455	pCi/L			0.36	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*
Y Carrier	*77.8*		*30 - 110*

Lab Sample ID: MB 160-684923/1-A
Matrix: Water
Analysis Batch: 688581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684923

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6804	U	0.592	0.595	1.00	0.939	pCi/L	10/24/24 08:55	11/14/24 15:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:55*	*11/14/24 15:07*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/24/24 08:55*	*11/14/24 15:07*	*1*

Lab Sample ID: LCS 160-684923/2-A
Matrix: Water
Analysis Batch: 688581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684923

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.34	13.07	*	1.81	1.00	0.778	pCi/L	157	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*
Y Carrier	*77.4*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 180-181505-8 DU
Matrix: Water
Analysis Batch: 688581

Client Sample ID: APMW-8
Prep Type: Total/NA
Prep Batch: 684923

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	8.14	*		5.472	*	1.04	1.00	0.777	pCi/L			1.09	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*91.2*		*30 - 110*
Y Carrier	*77.8*		*30 - 110*

Lab Sample ID: MB 160-685126/1-A
Matrix: Water
Analysis Batch: 688562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685126

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.07802	U	0.300	0.300	1.00	0.538	pCi/L	10/25/24 08:42	11/14/24 14:13	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*10/25/24 08:42*	*11/14/24 14:13*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/25/24 08:42*	*11/14/24 14:13*	*1*

Lab Sample ID: LCS 160-685126/2-A
Matrix: Water
Analysis Batch: 688562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685126

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.34	9.170		1.28	1.00	0.562	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.1*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Lab Sample ID: MB 160-689277/1-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689277

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7175		0.390	0.395	1.00	0.549	pCi/L	11/19/24 08:45	11/27/24 12:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*
Y Carrier	*78.5*		*30 - 110*	*11/19/24 08:45*	*11/27/24 12:04*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689277/2-A
Matrix: Water
Analysis Batch: 690739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689277

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.31	10.10		1.41	1.00	0.544	pCi/L	122	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.0*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Rad

Prep Batch: 684901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-5	APMW-5	Total/NA	Water	PrecSep-21	
180-181505-6	APMW-6R	Total/NA	Water	PrecSep-21	
180-181505-7	APMW-7	Total/NA	Water	PrecSep-21	
180-181505-8	APMW-8	Total/NA	Water	PrecSep-21	
180-181505-9	APMW-9	Total/NA	Water	PrecSep-21	
180-181505-10	APMW-10	Total/NA	Water	PrecSep-21	
180-181505-11	DUP-02	Total/NA	Water	PrecSep-21	
180-181505-12	APMW-2D	Total/NA	Water	PrecSep-21	
180-181505-13	APMW-3D	Total/NA	Water	PrecSep-21	
180-181505-14	APMW-4D	Total/NA	Water	PrecSep-21	
180-181505-15	APMW-5D	Total/NA	Water	PrecSep-21	
180-181505-16	APMW-6D	Total/NA	Water	PrecSep-21	
180-181505-17	APMW-8D	Total/NA	Water	PrecSep-21	
180-181505-18	APMW-10D	Total/NA	Water	PrecSep-21	
180-181505-19	DUP-03	Total/NA	Water	PrecSep-21	
180-181505-20	DUP-04	Total/NA	Water	PrecSep-21	
180-181505-21	EB-01	Total/NA	Water	PrecSep-21	
180-181505-22	FB-01	Total/NA	Water	PrecSep-21	
180-181505-23	EB-02	Total/NA	Water	PrecSep-21	
180-181505-24	FB-02	Total/NA	Water	PrecSep-21	
MB 160-684901/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684901/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-181505-8 DU	APMW-8	Total/NA	Water	PrecSep-21	

Prep Batch: 684904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	PrecSep-21	
180-181458-2	APMW-12	Total/NA	Water	PrecSep-21	
MB 160-684904/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684904/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-1	APMW-11	Total/NA	Water	PrecSep_0	
180-181458-2	APMW-12	Total/NA	Water	PrecSep_0	
MB 160-684907/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684907/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 684908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	PrecSep-21	
180-181505-2	APMW-2	Total/NA	Water	PrecSep-21	
180-181505-3	APMW-3	Total/NA	Water	PrecSep-21	
180-181505-4	APMW-4	Total/NA	Water	PrecSep-21	
MB 160-684908/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684908/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-1	APMW-1R	Total/NA	Water	PrecSep_0	
180-181505-2	APMW-2	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 684909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-3	APMW-3	Total/NA	Water	PrecSep_0	
180-181505-4	APMW-4	Total/NA	Water	PrecSep_0	
MB 160-684909/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684909/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 684912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-3	APMW-13	Total/NA	Water	PrecSep-21	
180-181458-4	APMW-14	Total/NA	Water	PrecSep-21	
180-181458-5	APMW-15	Total/NA	Water	PrecSep-21	
180-181458-6	APMW-16	Total/NA	Water	PrecSep-21	
180-181458-7	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-684912/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684912/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-181458-4 DU	APMW-14	Total/NA	Water	PrecSep-21	

Prep Batch: 684913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181458-3	APMW-13	Total/NA	Water	PrecSep_0	
180-181458-4	APMW-14	Total/NA	Water	PrecSep_0	
180-181458-5	APMW-15	Total/NA	Water	PrecSep_0	
180-181458-6	APMW-16	Total/NA	Water	PrecSep_0	
180-181458-7	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-684913/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684913/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-181458-4 DU	APMW-14	Total/NA	Water	PrecSep_0	

Prep Batch: 684923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-8	APMW-8	Total/NA	Water	PrecSep_0	
180-181505-11	DUP-02	Total/NA	Water	PrecSep_0	
180-181505-12	APMW-2D	Total/NA	Water	PrecSep_0	
180-181505-13	APMW-3D	Total/NA	Water	PrecSep_0	
180-181505-15	APMW-5D	Total/NA	Water	PrecSep_0	
180-181505-16	APMW-6D	Total/NA	Water	PrecSep_0	
180-181505-17	APMW-8D	Total/NA	Water	PrecSep_0	
180-181505-18	APMW-10D	Total/NA	Water	PrecSep_0	
180-181505-20	DUP-04	Total/NA	Water	PrecSep_0	
180-181505-21	EB-01	Total/NA	Water	PrecSep_0	
180-181505-22	FB-01	Total/NA	Water	PrecSep_0	
180-181505-23	EB-02	Total/NA	Water	PrecSep_0	
180-181505-24	FB-02	Total/NA	Water	PrecSep_0	
MB 160-684923/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684923/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-181505-8 DU	APMW-8	Total/NA	Water	PrecSep_0	

Prep Batch: 685123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-25	EB-03	Total/NA	Water	PrecSep-21	
180-181505-26	FB-03	Total/NA	Water	PrecSep-21	
MB 160-685123/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 685123 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-685123/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 685126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-25	EB-03	Total/NA	Water	PrecSep_0	
180-181505-26	FB-03	Total/NA	Water	PrecSep_0	
MB 160-685126/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685126/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 689277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181505-5	APMW-5	Total/NA	Water	PrecSep_0	
180-181505-6	APMW-6R	Total/NA	Water	PrecSep_0	
180-181505-7	APMW-7	Total/NA	Water	PrecSep_0	
180-181505-9	APMW-9	Total/NA	Water	PrecSep_0	
180-181505-10	APMW-10	Total/NA	Water	PrecSep_0	
180-181505-14	APMW-4D	Total/NA	Water	PrecSep_0	
180-181505-19	DUP-03	Total/NA	Water	PrecSep_0	
MB 160-689277/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689277/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorfer / Todd Voress	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0182	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: AL, 35243	
Phone: 205-992-6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Plant Watson	Project #: 18020186
Site: Ash Pond	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-11	10-16-24	1231	G	W	No		X	X	X	X	X	X	4	
APMW-12	10-16-24	1012	G	W	No		X	X	X	X	X	X	4	
APMW-13	10-14-24	1712	G	W	No		X	X	X	X	X	X	4	
APMW-14	10-14-24	1622	G	W	No		X	X	X	X	X	X	4	
APMW-15	10-14-24	1522	G	W	No		X	X	X	X	X	X	4	
APMW-16	10-14-24	1408	G	W	No		X	X	X	X	X	X	4	
DUP-01	10-14-24	1308	G	W	No		X	X	X	X	X	X	4	

180-181458 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10-16-24 1243	ROA ENV.		10/17/24 0915	GAI INC
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / TODD VOREIS	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 3
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: AL, 35243	
Phone: 205-992-6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Plant Watson	Project #: 18020186
Site: Ash Pond	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-1R	10-16-24	1522	G	W	No		X	X	X	X	X	X	4	
APMW-2	10-16-24	1628	G	W	No		X	X	X	X	X	X	4	
APMW-3	10-17-24	0819	G	W	No		X	X	X	X	X	X	4	
APMW-4	10-17-24	1306	G	W	No		X	X	X	X	X	X	4	
APMW-5	10-17-24	1127	G	W	No		X	X	X	X	X	X	4	
APMW-6R	10-17-24	1345	G	W	No		X	X	X	X	X	X	4	
APMW-7	10-17-24	1117	G	W	No		X	X	X	X	X	X	4	
APMW-8	10-17-24	0840	G	W	No		X	X	X	X	X	X	4	
APMW-9	10-16-24	1835	G	W	No		X	X	X	X	X	X	4	
APMW-10	10-16-24	1740	G	W	No		X	X	X	X	X	X	4	
DUP-02	10-16-24	1503	G	W	No		X	X	X	X	X	X	4	

180-181505 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-17-24 1544	Company: ADH ENV.	Received by:	Date/Time: 10/18/24 900	Company: Eurofins
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No..: | Cooler Temperature(s) °C and Other Remarks:

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / TODD VORELS	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No.
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 3
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson	Project #: 18020186			
Site: Ash Pond	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
APMW-2D	10-16-24	1732	G	W	No		X	X	X	X	X	X	4	
APMW-3D	10-17-24	0910	G	W	No		X	X	X	X	X	X	4	
APMW-4D	10-17-24	1415	G	W	No		X	X	X	X	X	X	4	
APMW-5D	10-17-24	1048	G	W	No		X	X	X	X	X	X	4	
APMW-6D	10-17-24	1455	G	W	No		X	X	X	X	X	X	4	
APMW-8D	10-17-24	1008	G	W	No		X	X	X	X	X	X	4	
APMW-10D	10-16-24	1603	G	W	No		X	X	X	X	X	X	4	
DUP-03	10-17-24	0740	G	W	No		X	X	X	X	X	X	4	
DUP-04	10-17-24	1355	G	W	No		X	X	X	X	X	X	4	
EB-01	10-16-24	1550	G	W	No		X	X	X	X	X	X	4	
FB-01	10-16-24	1544	G	W	No		X	X	X	X	X	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
[signature]	10-17-24 1544	ADH ENV.	[signature]	10/18/24 900	EUR.IT NL
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 3
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson	Project #: 18020186			
Site: Ash Pond	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 14 (AppIII/AppIV) + Mercury	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
EB-02	10-17-24	0958	G	W	No		X	X	X	X	X	X	4	
FB-02	10-17-24	0947	G	W	No		X	X	X	X	X	X	4	
EB-03	10-17-24	1336	G	W	No		X	X	X	X	X	X	4	
FB-03	10-17-24	1346	G	W	No		X	X	X	X	X	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

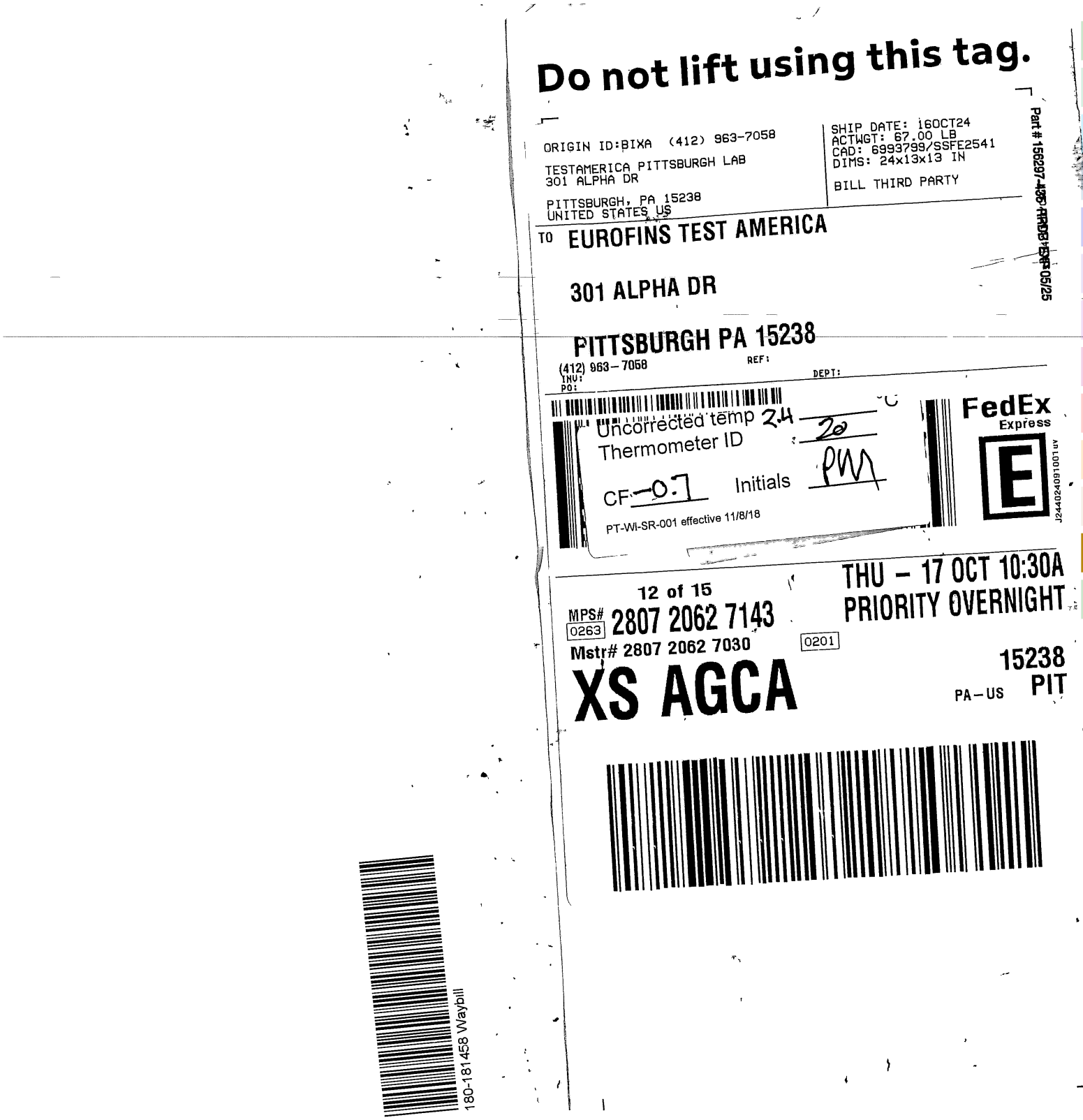
Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	10-17-24 1544	ROH ENV.		10/18/24 900	ENV. NE
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019



Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435-ARMB-ESF 05/25

Uncorrected temp 2.4 °C
Thermometer ID 20
CF -0.1 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091001 AM

12 of 15
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Mstr# 2807 2062 7030

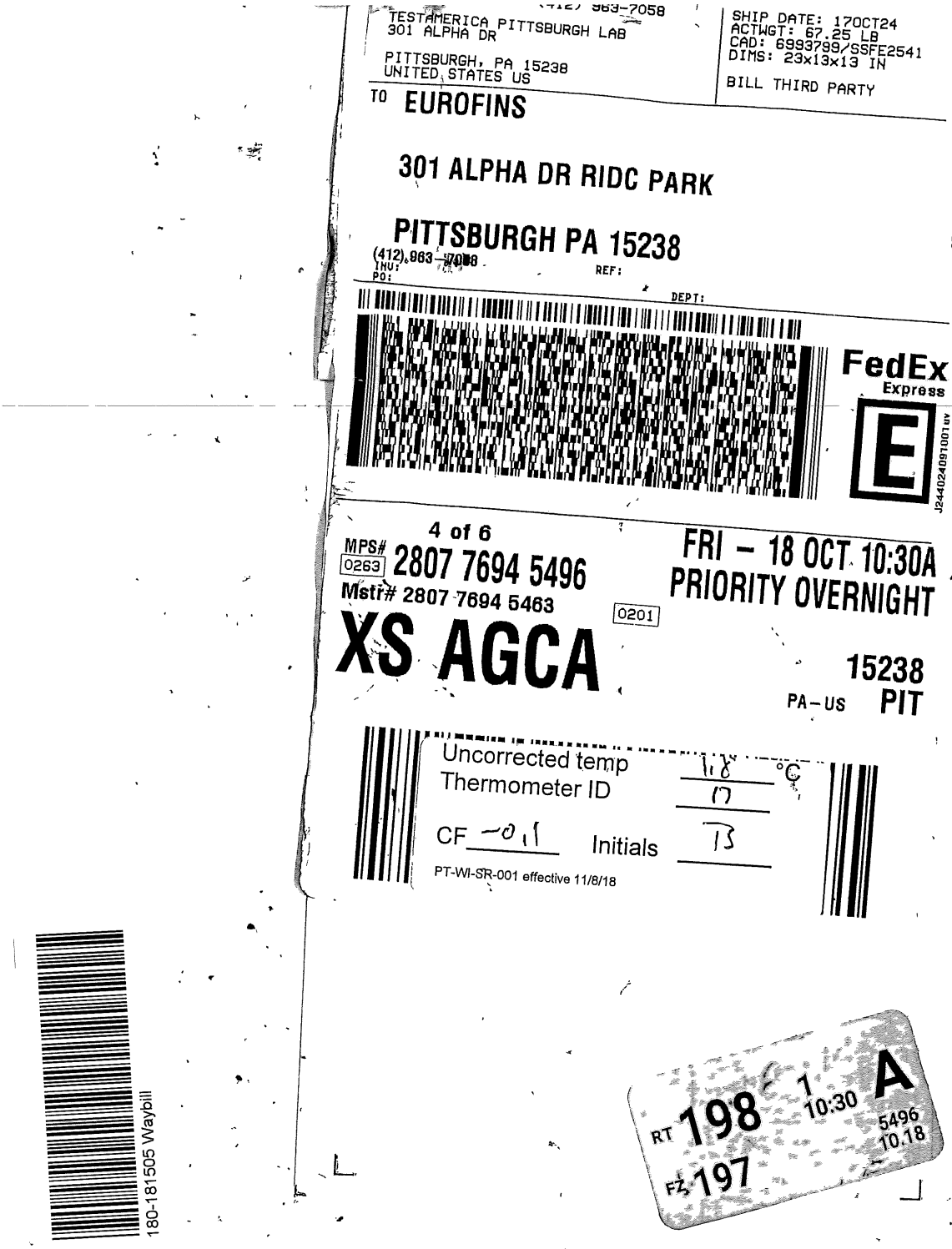
THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

0201

XS AGCA

15238
PA-US PIT

180-181458 Waybill


TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx
Express
J244024091001uv
4 of 6
MPS# 2807 7694 5496
0263
Mstr# 2807 7694 5463
0201
XS AGCA
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT
Uncorrected temp 1.8 °C
Thermometer ID 17
CF -0.1 Initials TB
PT-WI-SR-001 effective 11/8/18
180-181505 Waybill
RT 198 1 10:30 A
FZ 197
5496
10.18



Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

FedEx Express

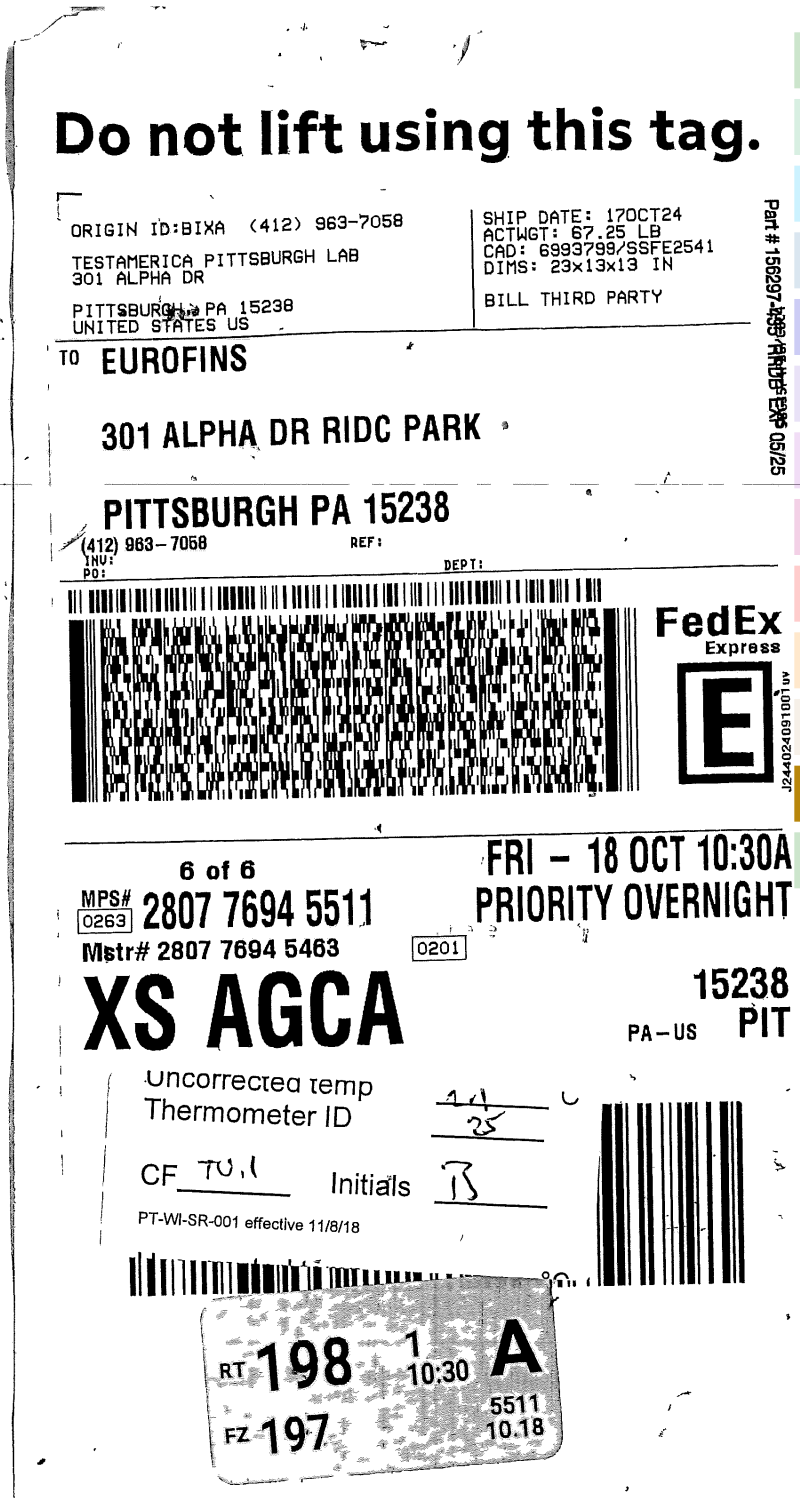
3 of 6
MPS# 0263 2807 7694 5485
Mstr# 2807 7694 5463
0201
XS AGCA

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Uncorrected temp 1.6 °C
Thermometer ID 17
CF -0.1 Initials JS
PT-WI-SR-001 effective 11/8/18

Part # 156297-405 REV# EXP 05/25


Do not lift using this tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF:
PO:
DEPT:
FedEx
Express
2 of 6
MPS# 0263 2807 7694 5474
Mstr# 2807 7694 5463
0201
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US
PIT
Uncorrected temp
Thermometer ID
CF
Initials
PT-WI-SR-001 effective 11/8/18
RT 198
FZ 197
1
10:30 A
5474
10.18


Do not lift using this tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY
TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx
Express
6 of 6
MPS# 2807 7694 5511
Mstr# 2807 7694 5463
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT
Uncorrected Temp
Thermometer ID
CF TO.1
Initials
PT-WI-SR-001 effective 11/8/18
RT 198
FZ 197
10:30
A
5511
10.18

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

TO **EUROFINS**

301 ALPHA DR RIDC PARK

PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

FedEx Express

5 of 6
MPS# 0263 2807 7694 5500
Mstr# 2807 7694 5463 0201

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT

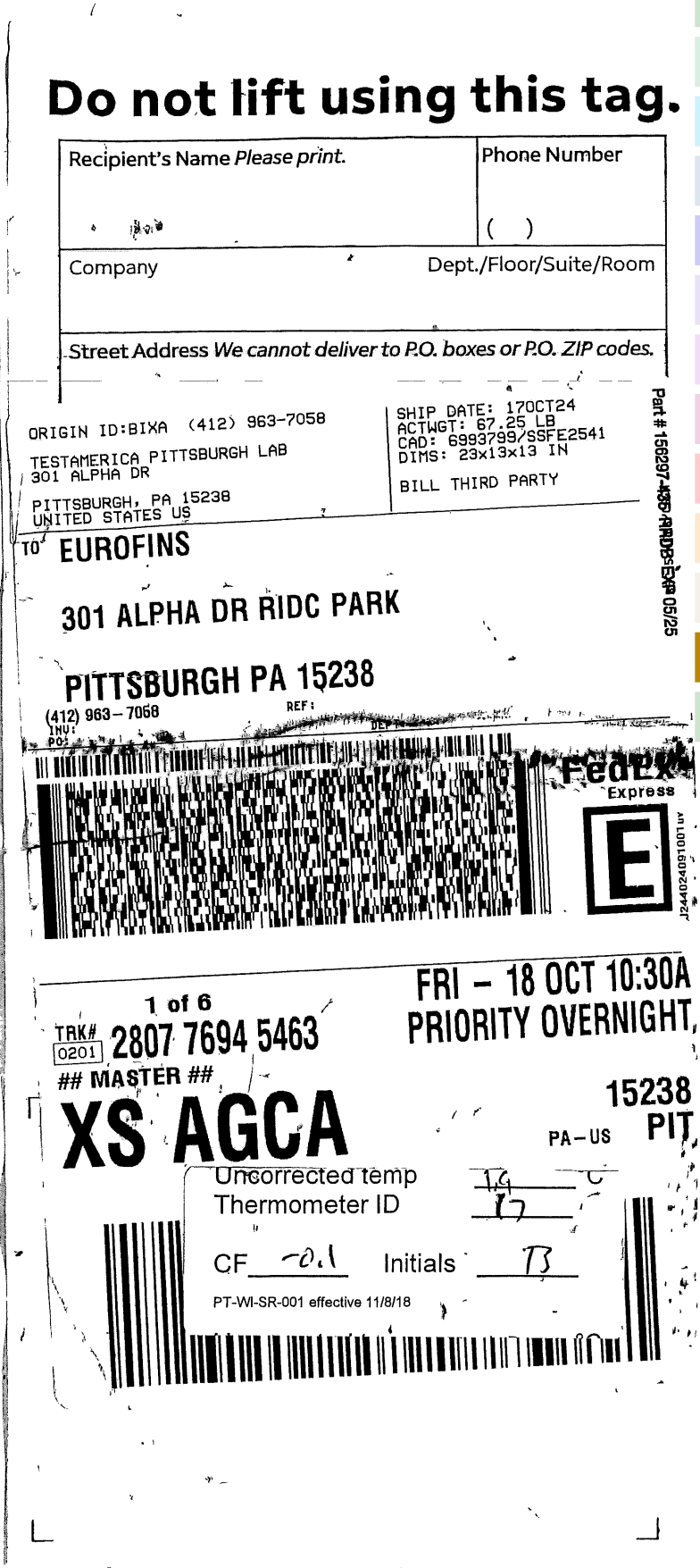
XS AGCA

15238
PA-US PIT

Uncorrected temp 4.5 °C
Thermometer ID 25
CF +0.1 Initials TB
PT-WI-SR-001 effective 11/8/18

RT 198 1 10:30 A
FZ 197 5500 10.18

Part # 156297-4000 REV# 1 EXP 05/25



Do not lift using this tag.

Recipient's Name *Please print.*	Phone Number
	( )
Company	Dept./Floor/Suite/Room
Street Address *We cannot deliver to P.O. boxes or P.O. ZIP codes.*	

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 17OCT24
ACTWGT: 67.25 LB
CAD: 6993799/SSFE2541
DIMS: 23x13x13 IN
BILL THIRD PARTY

Part # 156297-438 RRD Rev 05/25

TO EUROFINS
301 ALPHA DR RIDC PARK
PITTSBURGH PA 15238
(412) 963-7068
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 6
TRK# 0201 2807 7694 5463
MASTER
XS AGCA

FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
15238
PIT
PA-US

Uncorrected temp 1.6 C
Thermometer ID 17
CF -0.1 Initials TB
PT-WI-SR-001 effective 11/8/18

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181458-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-11 (180-181458-1)	10/16/24	12:31 Eastern	G	Water			X	X	X	2	
APMW-12 (180-181458-2)	10/16/24	10:12 Eastern	G	Water			X	X	X	2	
APMW-13 (180-181458-3)	10/14/24	17:12 Eastern	G	Water			X	X	X	2	
APMW-14 (180-181458-4)	10/14/24	16:22 Eastern	G	Water			X	X	X	2	
APMW-15 (180-181458-5)	10/14/24	15:22 Eastern	G	Water			X	X	X	2	
APMW-16 (180-181458-6)	10/14/24	14:08 Eastern	G	Water			X	X	X	2	
DUP-01 (180-181458-7)	10/14/24	13:08 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10-21-24 1700	Company: EUFINE	Received by: M. Pinette Date/Time: OCT 22 2024 0700 Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-2

Login Number: 181458
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-2

Login Number: 181458
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/22/24 03:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-2

Login Number: 181505
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181458-2

Login Number: 181505
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/22/24 03:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 11/12/2024 5:56:33 PM Revision 1

JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-181459-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job ID: 180-181459-1 — Eurofins Pittsburgh

Job Narrative
180-181459-1

111224 Revised report to include field pH at client request. This report replaces the report previously issued on 103024

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/17/2024 9:15 AM and 10/22/2024 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 0.3°C, 0.9°C, 1.2°C, 1.3°C, 1.4°C, 1.8°C, 1.9°C, 2.1°C, 2.3°C, 2.7°C, 2.9°C, 3.1°C and 17.9°C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received: SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) and SW-15 (180-181459-38).The samples were received on 10/22/24.

The following samples were received at the laboratory outside the required temperature criteria: SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) and SW-15 (180-181459-38). This does not meet regulatory requirements. The client was contacted and the laboratory was instructed to proceed with analysis.

HPLC/IC
Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-1 (180-181459-1), SW-1 (180-181459-2), SW-1 (180-181459-3), SW-2 (180-181459-5), SW-2 (180-181459-6), SW-2 (180-181459-7), SW-2 (180-181459-8), SW-3 (180-181459-9) and SW-3 (180-181459-10), SW-5 (180-181459-16), SW-5 (180-181459-17), SW-5 (180-181459-18), SW-6 (180-181459-19), SW-6 (180-181459-20), SW-6 (180-181459-21), SW-6 (180-181459-22), SW-9 (180-181459-23), SW-9 (180-181459-24), SW-9 (180-181459-25), SW-9 (180-181459-26), (180-181379-A-2), (180-181379-A-2 MS), (180-181379-A-2 MSD), (180-181379-A-10), (180-181379-A-10 MS) and (180-181379-A-10 MSD). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-3 (180-181459-11), SW-3 (180-181459-12), SW-4 (180-181459-13), SW-4 (180-181459-14), SW-5 (180-181459-15), SW-10 (180-181459-27), SW-10 (180-181459-28), SW-11 (180-181459-29), SW-11 (180-181459-30), SW-17 (180-181459-42), DUP-01 (180-181459-44), DUP-02 (180-181459-45) and DUP-02 (180-181459-46). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-12 (180-181459-31), SW-12 (180-181459-32), SW-13 (180-181459-33), SW-13 (180-181459-34), SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37), SW-15 (180-181459-38). SW-16 (180-181459-39), SW-16 (180-181459-40), SW-17 (180-181459-41) and DUP-01 (180-181459-43). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: SW-1 (180-181459-1), SW-1 (180-181459-2), SW-1 (180-181459-3), SW-2 (180-181459-5), SW-2 (180-181459-6), SW-2 (180-181459-7), SW-2 (180-181459-8), SW-3 (180-181459-9) and SW-3 (180-181459-10), SW-5 (180-181459-16), SW-5 (180-181459-17), SW-5 (180-181459-18), SW-6 (180-181459-19), SW-6 (180-181459-20), SW-6 (180-181459-21), SW-6 (180-181459-22), SW-9 (180-181459-23), SW-9 (180-181459-24), SW-9 (180-181459-25), SW-9 (180-181459-26), (180-181379-A-2), (180-181379-A-2 MS), (180-181379-A-2 MSD), (180-181379-A-10), (180-181379-A-10 MS) and (180-181379-A-10 MSD). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: SW-3 (180-181459-11), SW-3 (180-181459-12), SW-4 (180-181459-13), SW-4 (180-181459-14), SW-5 (180-181459-15), SW-10 (180-181459-27), SW-10 (180-181459-28), SW-11 (180-181459-29), SW-11 (180-181459-30), SW-17 (180-181459-42), DUP-01

(180-181459-44), DUP-02 (180-181459-45) and DUP-02 (180-181459-46). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The following sample was diluted due to the nature of the sample matrix: SW-1 (180-181459-4), SW-12 (180-181459-31), SW-12 (180-181459-32), SW-13 (180-181459-33), SW-13 (180-181459-34), SW-16 (180-181459-39), SW-16 (180-181459-40), SW-17 (180-181459-41) and DUP-01 (180-181459-43). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) SW-15 (180-181459-38). DUP-01 (180-181459-44) and DUP-02 (180-181459-46). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The interference check standard solution (ICSA) associated with the following samples showed results for barium at a level greater than the reporting limit (RL). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (MB 680-860764/1-A) (MB 680-860757/1-A) (MB 680-861155/1-A)

Method 6020B - Total Recoverable: The interference check standard solution (ICSA) associated with the following samples showed results for barium at a level greater than the reporting limit (RL). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (MB 680-860764/1-A) (MB 680-860760/1-A) (MB 680-861154/1-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_Calcd: Due to conductivity and matrix, initial amount of sample used was reduced. SW-1 (180-181459-3), SW-2 (180-181459-7), SW-3 (180-181459-10), SW-3 (180-181459-12), SW-4 (180-181459-14), SW-5 (180-181459-18), SW-9 (180-181459-26), SW-12 (180-181459-31), SW-12 (180-181459-32), SW-13 (180-181459-33), SW-13 (180-181459-34), SW-16 (180-181459-39), SW-16 (180-181459-40), SW-17 (180-181459-41), SW-17 (180-181459-42), DUP-01 (180-181459-44), DUP-02 (180-181459-45) and DUP-02 (180-181459-46)

Method 2540C_Calcd: Due to conductivity and matrix, initial amount of sample used was reduced. SW-1 (180-181459-1), SW-1 (180-181459-2), SW-1 (180-181459-4), SW-2 (180-181459-6), SW-3 (180-181459-9), SW-4 (180-181459-13), SW-5 (180-181459-16), SW-5 (180-181459-17), SW-6 (180-181459-20), SW-6 (180-181459-22), SW-9 (180-181459-23), SW-9 (180-181459-24), SW-9 (180-181459-25), SW-10 (180-181459-27), SW-10 (180-181459-28), SW-11 (180-181459-29), SW-11 (180-181459-30) and DUP-01 (180-181459-43)

Method 2540C_Calcd: Due to conductivity and matrix, initial amount of sample used was reduced. SW-2 (180-181459-5), SW-2 (180-181459-8), SW-3 (180-181459-11), SW-5 (180-181459-15), SW-6 (180-181459-19) and SW-6 (180-181459-21)

Method 2540C_Calcd: The following sample(s) was analyzed outside of analytical holding time due sample arriving and being added to the backlog after hold time had already passed. SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) and SW-15 (180-181459-38).

Method 2540C_Calcd - Dissolved: Due to conductivity and matrix, initial amount of sample used was reduced. SW-1 (180-181459-3), SW-2 (180-181459-7), SW-3 (180-181459-10), SW-3 (180-181459-12), SW-4 (180-181459-14), SW-5 (180-181459-18), SW-9 (180-181459-26), SW-12 (180-181459-31), SW-12 (180-181459-32), SW-13 (180-181459-33), SW-13 (180-181459-34), SW-16 (180-181459-39), SW-16 (180-181459-40), SW-17 (180-181459-41), SW-17 (180-181459-42), DUP-01 (180-181459-44), DUP-02 (180-181459-45) and DUP-02 (180-181459-46)

Method 2540C_Calcd - Dissolved: Due to conductivity and matrix, initial amount of sample used was reduced. SW-1 (180-181459-1), SW-1 (180-181459-2), SW-1 (180-181459-4), SW-2 (180-181459-6), SW-3 (180-181459-9), SW-4 (180-181459-13), SW-5 (180-181459-16), SW-5 (180-181459-17), SW-6 (180-181459-20), SW-6 (180-181459-22), SW-9 (180-181459-23), SW-9 (180-181459-24), SW-9 (180-181459-25), SW-10 (180-181459-27), SW-10 (180-181459-28), SW-11 (180-181459-29), SW-11 (180-181459-30) and DUP-01 (180-181459-43)

Method 2540C_Calcd - Dissolved: Due to conductivity and matrix, initial amount of sample used was reduced. SW-2 (180-181459-5), SW-2 (180-181459-8), SW-3 (180-181459-11), SW-5 (180-181459-15), SW-6 (180-181459-19) and SW-6 (180-181459-21)

Job ID: 180-181459-1 (Continued)

Method 2540C_Calcd - Dissolved: The following sample(s) was analyzed outside of analytical holding time due sample arriving and being added to the backlog after hold time had already passed. SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) and SW-15 (180-181459-38).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0688	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	004375	07-31-25
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-24
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00362	01-01-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	058448	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	10043	07-14-24 *
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-01-25
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Louisiana (DW)	State	LA009	12-31-24
Maryland	State	250	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9925	03-05-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24 *
Tennessee	State	TN02961	06-30-25
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24 *
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-181459-1	SW-1	Water	10/15/24 16:50	10/17/24 09:15
180-181459-2	SW-1	Water	10/15/24 16:58	10/17/24 09:15
180-181459-3	SW-1	Water	10/15/24 17:10	10/17/24 09:15
180-181459-4	SW-1	Water	10/15/24 17:18	10/17/24 09:15
180-181459-5	SW-2	Water	10/15/24 16:00	10/17/24 09:15
180-181459-6	SW-2	Water	10/15/24 16:08	10/17/24 09:15
180-181459-7	SW-2	Water	10/15/24 16:20	10/17/24 09:15
180-181459-8	SW-2	Water	10/15/24 16:28	10/17/24 09:15
180-181459-9	SW-3	Water	10/15/24 10:22	10/17/24 09:15
180-181459-10	SW-3	Water	10/15/24 10:30	10/17/24 09:15
180-181459-11	SW-3	Water	10/15/24 10:55	10/17/24 09:15
180-181459-12	SW-3	Water	10/15/24 11:06	10/17/24 09:15
180-181459-13	SW-4	Water	10/15/24 09:09	10/17/24 09:15
180-181459-14	SW-4	Water	10/15/24 09:20	10/17/24 09:15
180-181459-15	SW-5	Water	10/15/24 08:31	10/17/24 09:15
180-181459-16	SW-5	Water	10/15/24 08:48	10/17/24 09:15
180-181459-17	SW-5	Water	10/15/24 09:05	10/17/24 09:15
180-181459-18	SW-5	Water	10/15/24 09:13	10/17/24 09:15
180-181459-19	SW-6	Water	10/15/24 09:40	10/17/24 09:15
180-181459-20	SW-6	Water	10/15/24 09:52	10/17/24 09:15
180-181459-21	SW-6	Water	10/15/24 10:03	10/17/24 09:15
180-181459-22	SW-6	Water	10/15/24 10:17	10/17/24 09:15
180-181459-23	SW-9	Water	10/15/24 10:40	10/17/24 09:15
180-181459-24	SW-9	Water	10/15/24 10:52	10/17/24 09:15
180-181459-25	SW-9	Water	10/15/24 11:07	10/17/24 09:15
180-181459-26	SW-9	Water	10/15/24 11:15	10/17/24 09:15
180-181459-27	SW-10	Water	10/15/24 11:50	10/17/24 09:15
180-181459-28	SW-10	Water	10/15/24 11:59	10/17/24 09:15
180-181459-29	SW-11	Water	10/15/24 12:26	10/17/24 09:15
180-181459-30	SW-11	Water	10/15/24 12:37	10/17/24 09:15
180-181459-31	SW-12	Water	10/15/24 12:54	10/17/24 09:15
180-181459-32	SW-12	Water	10/15/24 13:01	10/17/24 09:15
180-181459-33	SW-13	Water	10/15/24 12:12	10/17/24 09:15
180-181459-34	SW-13	Water	10/15/24 12:20	10/17/24 09:15
180-181459-35	SW-14	Water	10/15/24 13:13	10/22/24 09:15
180-181459-36	SW-14	Water	10/15/24 13:24	10/22/24 09:15
180-181459-37	SW-15	Water	10/15/24 13:50	10/22/24 09:15
180-181459-38	SW-15	Water	10/15/24 14:01	10/22/24 09:15
180-181459-39	SW-16	Water	10/15/24 14:26	10/17/24 09:15
180-181459-40	SW-16	Water	10/15/24 14:36	10/17/24 09:15
180-181459-41	SW-17	Water	10/15/24 15:25	10/17/24 09:15
180-181459-42	SW-17	Water	10/15/24 15:39	10/17/24 09:15
180-181459-43	DUP-01	Water	10/15/24 10:50	10/17/24 09:15
180-181459-44	DUP-01	Water	10/15/24 10:59	10/17/24 09:15
180-181459-45	DUP-02	Water	10/15/24 11:12	10/17/24 09:15
180-181459-46	DUP-02	Water	10/15/24 11:20	10/17/24 09:15
180-181459-47	EB-01	Water	10/15/24 00:00	10/17/24 09:15
180-181459-48	FB-01	Water	10/15/24 07:54	10/17/24 09:15
180-181459-49	EB-02	Water	10/15/24 18:13	10/17/24 09:15
180-181459-50	FB-02	Water	10/15/24 18:04	10/17/24 09:15

Method Summary

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-1

Date Collected: 10/15/24 16:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482166	10/18/24 17:23	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482166	10/18/24 17:35	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:06	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1

Date Collected: 10/15/24 16:58
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482166	10/18/24 17:47	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482166	10/18/24 17:59	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:05	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:06	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 12:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:58	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-1

Date Collected: 10/15/24 17:10
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482166	10/18/24 18:11	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482166	10/18/24 18:52	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:12	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 17:10	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1

Date Collected: 10/15/24 17:18
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482166	10/18/24 23:47	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482166	10/18/24 23:59	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:17	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:12	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 14:28	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 17:18	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-181459-5

Date Collected: 10/15/24 16:00

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482166	10/19/24 01:22	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482166	10/19/24 01:34	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:14	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:21	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:00	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-181459-6

Date Collected: 10/15/24 16:08

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482166	10/19/24 02:09	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482166	10/19/24 02:24	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:21	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:14	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 14:21	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-2

Lab Sample ID: 180-181459-7

Date Collected: 10/15/24 16:20

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482166	10/19/24 02:35	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482166	10/19/24 02:47	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:31	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:16	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:03	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:20	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-181459-8

Date Collected: 10/15/24 16:28

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482166	10/19/24 02:59	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482166	10/19/24 03:10	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:16	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 12:40	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 16:28	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-3

Date Collected: 10/15/24 10:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482166	10/19/24 03:22	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482166	10/19/24 03:33	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:35	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:18	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:22	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Date Collected: 10/15/24 10:30
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482166	10/19/24 03:45	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482166	10/19/24 03:56	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:29	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:18	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:25	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:30	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-3
Lab Sample ID: 180-181459-11
Date Collected: 10/15/24 10:55
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482235	10/19/24 15:18	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482235	10/19/24 15:37	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:39	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:20	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:26	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:55	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Lab Sample ID: 180-181459-12
Date Collected: 10/15/24 11:06
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482235	10/19/24 15:55	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482235	10/19/24 16:14	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:33	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:20	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 14:30	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 11:06	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-4

Date Collected: 10/15/24 09:09
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482235	10/19/24 16:32	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482235	10/19/24 16:51	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:51	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:26	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:16	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:09	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Date Collected: 10/15/24 09:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482235	10/19/24 17:09	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482235	10/19/24 17:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:45	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:26	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:20	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:20	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-5

Date Collected: 10/15/24 08:31
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482235	10/19/24 17:46	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482235	10/19/24 18:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 08:31	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Date Collected: 10/15/24 08:48
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/18/24 16:51	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/18/24 17:06	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:22	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 08:48	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-5

Date Collected: 10/15/24 09:05
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482167	10/18/24 17:21	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482167	10/18/24 18:08	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 01:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:30	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:28	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:05	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Date Collected: 10/15/24 09:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/18/24 18:23	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/18/24 18:38	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:53	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:30	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:13	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-6

Date Collected: 10/15/24 09:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482167	10/18/24 18:55	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482167	10/18/24 19:10	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:03	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:23	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:40	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Date Collected: 10/15/24 09:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/18/24 19:25	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/18/24 19:40	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/25/24 23:57	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 14:33	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 09:52	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-6

Date Collected: 10/15/24 10:03
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482167	10/18/24 19:57	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482167	10/18/24 20:12	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:34	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:36	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482193	10/18/24 11:25	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:03	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Date Collected: 10/15/24 10:17
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/18/24 20:27	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/18/24 21:14	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:01	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:34	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:18	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:17	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 10:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100	1 mL	1 mL	482167	10/18/24 22:16	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	482167	10/18/24 22:31	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:36	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:10	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:40	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Date Collected: 10/15/24 10:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/18/24 22:48	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/18/24 23:03	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:05	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:36	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 10:52	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 11:07
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100	1 mL	1 mL	482167	10/18/24 23:18	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	482167	10/18/24 23:33	ERP	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:38	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:33	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 11:07	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482167	10/19/24 00:20	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482167	10/19/24 00:35	ERP	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:09	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:38	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:34	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 11:15	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-10

Date Collected: 10/15/24 11:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482235	10/19/24 19:00	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482235	10/19/24 19:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:40	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:24	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 11:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10

Date Collected: 10/15/24 11:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	482235	10/19/24 20:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		50	1 mL	1 mL	482235	10/19/24 20:51	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:13	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:40	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:46	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 11:59	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-11

Date Collected: 10/15/24 12:26
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482235	10/19/24 21:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482235	10/19/24 21:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:42	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 12:26	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Date Collected: 10/15/24 12:37
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	482235	10/19/24 22:24	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		50	1 mL	1 mL	482235	10/19/24 22:42	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:18	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:42	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 12:37	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-12
Lab Sample ID: 180-181459-31
Date Collected: 10/15/24 12:54
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482229	10/19/24 13:29	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482229	10/19/24 13:44	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:44	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861074	10/24/24 13:30	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 12:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 12:54	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Lab Sample ID: 180-181459-32
Date Collected: 10/15/24 13:01
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	482229	10/19/24 13:58	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		50	1 mL	1 mL	482229	10/19/24 14:13	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:44	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 13:01	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-13

Date Collected: 10/15/24 12:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482229	10/19/24 15:12	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482229	10/19/24 15:27	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:39	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:50	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:07	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 12:12	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	482229	10/19/24 15:42	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		50	1 mL	1 mL	482229	10/19/24 15:57	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:34	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:50	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:30	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 12:20	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Lab Sample ID: 180-181459-35

Date Collected: 10/15/24 13:13

Matrix: Water

Date Received: 10/22/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482862	10/26/24 19:50	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482862	10/26/24 20:08	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	861154	10/25/24 06:25	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861371	10/25/24 22:57	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	861154	10/25/24 06:25	RR	EET SAV
Total Recoverable	Analysis	6020B		4			861703	10/28/24 16:15	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861223	10/25/24 10:55	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 17:32	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482578	10/23/24 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 13:13	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Lab Sample ID: 180-181459-36

Date Collected: 10/15/24 13:24

Matrix: Water

Date Received: 10/22/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482862	10/26/24 20:27	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482862	10/26/24 20:45	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	861155	10/25/24 06:29	RR	EET SAV
Dissolved	Analysis	6020B		1			861371	10/25/24 22:12	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861223	10/25/24 10:55	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 17:39	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482578	10/23/24 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 13:24	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Lab Sample ID: 180-181459-37

Date Collected: 10/15/24 13:50

Matrix: Water

Date Received: 10/22/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482862	10/26/24 21:41	M1D	EET PIT
	Instrument ID: INTEGRION									

Client Sample ID: SW-15

Lab Sample ID: 180-181459-37

Date Collected: 10/15/24 13:50

Matrix: Water

Date Received: 10/22/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100	1 mL	1 mL	482862	10/26/24 21:59	M1D	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	861154	10/25/24 06:25	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861371	10/25/24 22:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	861154	10/25/24 06:25	RR	EET SAV
Total Recoverable	Analysis	6020B		4			861703	10/28/24 16:17	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861223	10/25/24 10:55	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 17:34	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482578	10/23/24 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 13:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Lab Sample ID: 180-181459-38

Date Collected: 10/15/24 14:01

Matrix: Water

Date Received: 10/22/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482862	10/26/24 23:13	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482862	10/26/24 23:32	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	861155	10/25/24 06:29	RR	EET SAV
Dissolved	Analysis	6020B		1			861371	10/25/24 22:14	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861223	10/25/24 10:55	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 17:36	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482578	10/23/24 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 14:01	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16

Lab Sample ID: 180-181459-39

Date Collected: 10/15/24 14:26

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482229	10/19/24 16:11	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	482229	10/19/24 16:26	M1D	EET PIT
	Instrument ID: CHICS2100B									

Client Sample ID: SW-16
Lab Sample ID: 180-181459-39
Date Collected: 10/15/24 14:26
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:44	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:51	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Total/NA	Analysis	7470A		1			861367	10/25/24 14:26	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 14:26	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Lab Sample ID: 180-181459-40
Date Collected: 10/15/24 14:36
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482229	10/19/24 17:10	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482229	10/19/24 17:25	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:52	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	861014	10/24/24 10:44	MG	EET SAV
Dissolved	Analysis	7470A		1			861367	10/25/24 14:19	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 14:36	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Lab Sample ID: 180-181459-41
Date Collected: 10/15/24 15:25
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482229	10/19/24 18:10	M1D	EET PIT
	Instrument ID: CHICS2100B									

Client Sample ID: SW-17
Lab Sample ID: 180-181459-41
Date Collected: 10/15/24 15:25
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100	1 mL	1 mL	482229	10/19/24 18:25	M1D	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:48	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:53	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:50	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 15:25	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Lab Sample ID: 180-181459-42
Date Collected: 10/15/24 15:39
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482235	10/19/24 23:00	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482235	10/19/24 23:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:54	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:32	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			484130	10/15/24 15:39	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Lab Sample ID: 180-181459-43
Date Collected: 10/15/24 10:50
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	482229	10/19/24 16:41	M1D	EET PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: DUP-01
Date Collected: 10/15/24 10:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	1 mL	1 mL	482229	10/19/24 16:56	M1D	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861534	10/26/24 02:52	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	860760	10/23/24 08:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 20:55	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 10/15/24 10:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	482235	10/19/24 23:37	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		50	1 mL	1 mL	482235	10/19/24 23:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861534	10/26/24 00:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	860757	10/23/24 08:18	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 19:56	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 10/15/24 11:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	482235	10/20/24 00:14	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	482235	10/20/24 00:33	M1D	EET PIT
	Instrument ID: INTEGRION									

Client Sample ID: DUP-02

Lab Sample ID: 180-181459-45

Date Collected: 10/15/24 11:12

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:55	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 17:35	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:19	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-181459-46

Date Collected: 10/15/24 11:20

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	482235	10/20/24 00:51	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		100	1 mL	1 mL	482235	10/20/24 01:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:56	RR	EET SAV
Dissolved	Analysis	6020B		1			861295	10/24/24 17:49	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Dissolved	Analysis	7470A		1			861222	10/24/24 13:48	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	10 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-181459-47

Date Collected: 10/15/24 00:00

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482235	10/20/24 02:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:55	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 17:43	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-181459-48

Date Collected: 10/15/24 07:54

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482235	10/20/24 02:24	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:55	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 17:45	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:52	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Lab Sample ID: 180-181459-49

Date Collected: 10/15/24 18:13

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482229	10/19/24 19:24	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:55	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 17:41	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860909	10/23/24 15:35	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 12:17	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482183	10/18/24 10:15	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Lab Sample ID: 180-181459-50

Date Collected: 10/15/24 18:04

Matrix: Water

Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	482229	10/19/24 14:28	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	860764	10/23/24 08:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			861295	10/24/24 17:47	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	860878	10/23/24 13:26	MG	EET SAV
Total/NA	Analysis	7470A		1			861222	10/24/24 13:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	482182	10/18/24 10:04	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Analyst References:

Lab: EET PIT

Batch Type: Analysis

EBA = Elizabeth Arbster
ERP = Evan Papak
FDS = Sampler Field
M1D = Maureen Donlin

Lab: EET SAV

Batch Type: Prep

MG = Michael Griffin
RR = Robert Rancourt

Batch Type: Analysis

BJB = Brian Boyuk
BWR = Bryn Robertson

Client Sample ID: SW-1
Lab Sample ID: 180-181459-1

Date Collected: 10/15/24 16:50
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6300**		100	71	mg/L			10/18/24 17:35	100
Fluoride	**0.57**	**J**	2.0	0.26	mg/L			10/18/24 17:23	10
Sulfate	**840**		10	7.6	mg/L			10/18/24 17:23	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:06	1
Barium	**0.057**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:06	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:06	1
Boron	**1.6**	**F1**	0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:10	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:06	1
Calcium	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:06	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:06	1
Cobalt	**0.00055**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:06	1
Molybdenum	**0.0033**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:06	1
Lead	**0.00037**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:06	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:06	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:06	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:06	1
Lithium	**0.061**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8200**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.65**				SU			10/15/24 16:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-1

Date Collected: 10/15/24 16:58
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-2

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6400**		100	71	mg/L			10/18/24 17:59	100
Fluoride, Dissolved	**0.54**	**J**	1.0	0.26	mg/L			10/18/24 17:47	10
Sulfate, Dissolved	**850**		10	7.6	mg/L			10/18/24 17:47	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:06	1
Barium, Dissolved	**0.059**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:06	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:06	1
Boron, Dissolved	**1.5**	**F1**	0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:05	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:06	1
Calcium, Dissolved	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:06	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:06	1
Cobalt, Dissolved	**0.00040**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:06	1
Molybdenum, Dissolved	**0.0038**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:06	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:06	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:06	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:06	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:06	1
Lithium, Dissolved	**0.070**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:06	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**9000**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.65**				SU			10/15/24 16:58	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-1

Date Collected: 10/15/24 17:10
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6200		100	71	mg/L			10/18/24 18:52	100
Fluoride	0.65	J	2.0	0.26	mg/L			10/18/24 18:11	10
Sulfate	840		10	7.6	mg/L			10/18/24 18:11	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0021	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:12	1
Barium	0.071	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:12	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:12	1
Boron	1.5		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:23	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:12	1
Calcium	160		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:12	1
Chromium	0.0013	J	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:12	1
Cobalt	0.00058	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:12	1
Molybdenum	0.0041	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:12	1
Lead	0.00047	J	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:12	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:12	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:12	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:12	1
Lithium	0.069	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	8300		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.87				SU			10/15/24 17:10	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-1

Date Collected: 10/15/24 17:18
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-4

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6300**		100	71	mg/L			10/18/24 23:59	100
Fluoride, Dissolved	**0.55**	**J**	1.0	0.26	mg/L			10/18/24 23:47	10
Sulfate, Dissolved	**830**		10	7.6	mg/L			10/18/24 23:47	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:12	1
Barium, Dissolved	**0.060**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:12	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:12	1
Boron, Dissolved	**1.5**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:17	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:12	1
Calcium, Dissolved	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:12	1
Chromium, Dissolved	**0.0070**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:12	1
Cobalt, Dissolved	**0.00040**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:12	1
Molybdenum, Dissolved	**0.0039**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:12	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:12	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:12	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:12	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:12	1
Lithium, Dissolved	**0.066**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**9000**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.87**				SU			10/15/24 17:18	1

Client Sample ID: SW-2
Lab Sample ID: 180-181459-5

Date Collected: 10/15/24 16:00
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6400**		100	71	mg/L			10/19/24 01:34	100
Fluoride	**0.55**	**J**	2.0	0.26	mg/L			10/19/24 01:22	10
Sulfate	**850**		10	7.6	mg/L			10/19/24 01:22	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0017**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:14	1
Barium	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:14	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:14	1
Boron	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:27	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:14	1
Calcium	**150**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:14	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:14	1
Cobalt	**0.00067**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:14	1
Molybdenum	**0.0037**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:14	1
Lead	**0.00042**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:14	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:14	1
Selenium	**0.0012**	**J**	0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:14	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:14	1
Lithium	**0.068**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**10000**		200	200	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.07**				SU			10/15/24 16:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-2

Date Collected: 10/15/24 16:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-6

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6400**		100	71	mg/L			10/19/24 02:24	100
Fluoride, Dissolved	**0.58**	**J**	1.0	0.26	mg/L			10/19/24 02:09	10
Sulfate, Dissolved	**840**		10	7.6	mg/L			10/19/24 02:09	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0017**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:14	1
Barium, Dissolved	**0.062**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:14	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:14	1
Boron, Dissolved	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:21	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:14	1
Calcium, Dissolved	**150**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:14	1
Chromium, Dissolved	**0.0013**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:14	1
Cobalt, Dissolved	**0.00046**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:14	1
Molybdenum, Dissolved	**0.0038**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:14	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:14	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:14	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:14	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:14	1
Lithium, Dissolved	**0.079**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:14	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:21	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**10000**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.07**				SU			10/15/24 16:08	1

Client Sample ID: SW-2
Lab Sample ID: 180-181459-7

Date Collected: 10/15/24 16:20
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6400**		100	71	mg/L			10/19/24 02:47	100
Fluoride	**0.63**	**J**	2.0	0.26	mg/L			10/19/24 02:35	10
Sulfate	**850**		10	7.6	mg/L			10/19/24 02:35	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0021**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:16	1
Barium	**0.069**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:16	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:16	1
Boron	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:31	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:16	1
Calcium	**160**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:16	1
Chromium	**0.0015**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:16	1
Cobalt	**0.00066**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:16	1
Molybdenum	**0.0038**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:16	1
Lead	**0.00048**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:16	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:16	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:16	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:16	1
Lithium	**0.069**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7000**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.72**				SU			10/15/24 16:20	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-2

Date Collected: 10/15/24 16:28
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-8

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6600**		100	71	mg/L			10/19/24 03:10	100
Fluoride, Dissolved	**0.55**	**J**	1.0	0.26	mg/L			10/19/24 02:59	10
Sulfate, Dissolved	**860**		10	7.6	mg/L			10/19/24 02:59	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0017**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:16	1
Barium, Dissolved	**0.064**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:16	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:16	1
Boron, Dissolved	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:25	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:16	1
Calcium, Dissolved	**150**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:16	1
Chromium, Dissolved	**0.0057**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:16	1
Cobalt, Dissolved	**0.00033**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:16	1
Molybdenum, Dissolved	**0.0038**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:16	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:16	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:16	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:16	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:16	1
Lithium, Dissolved	**0.068**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**11000**		200	200	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.72**				SU			10/15/24 16:28	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-3

Date Collected: 10/15/24 10:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6600		100	71	mg/L			10/19/24 03:33	100
Fluoride	0.61	J	2.0	0.26	mg/L			10/19/24 03:22	10
Sulfate	860		10	7.6	mg/L			10/19/24 03:22	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0020	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:18	1
Barium	0.068	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:18	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:18	1
Boron	1.5		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:35	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:18	1
Calcium	160		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:18	1
Chromium	0.0012	J	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:18	1
Cobalt	0.00061	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:18	1
Molybdenum	0.0038	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:18	1
Lead	0.00038	J	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:18	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:18	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:18	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:18	1
Lithium	0.065	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	9000		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.70				SU			10/15/24 10:22	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-3

Lab Sample ID: 180-181459-10

Date Collected: 10/15/24 10:30

Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6600**		100	71	mg/L			10/19/24 03:56	100
Fluoride, Dissolved	**0.52**	**J**	1.0	0.26	mg/L			10/19/24 03:45	10
Sulfate, Dissolved	**860**		10	7.6	mg/L			10/19/24 03:45	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:18	1
Barium, Dissolved	**0.063**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:18	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:18	1
Boron, Dissolved	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:29	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:18	1
Calcium, Dissolved	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:18	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:18	1
Cobalt, Dissolved	**0.00024**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:18	1
Molybdenum, Dissolved	**0.0036**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:18	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:18	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:18	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:18	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:18	1
Lithium, Dissolved	**0.070**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:18	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**9000**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.70**				SU			10/15/24 10:30	1

Client Sample ID: SW-3
Lab Sample ID: 180-181459-11

Date Collected: 10/15/24 10:55
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5700		100	71	mg/L			10/19/24 15:37	100
Fluoride	0.47	J	2.0	0.26	mg/L			10/19/24 15:18	10
Sulfate	830		10	7.6	mg/L			10/19/24 15:18	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0017	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:20	1
Barium	0.067	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:20	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:20	1
Boron	1.6		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:39	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:20	1
Calcium	160		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:20	1
Chromium	0.0022	J	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:20	1
Cobalt	0.00067	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:20	1
Molybdenum	0.0038	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:20	1
Lead	0.00039	J	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:20	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:20	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:20	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:20	1
Lithium	0.069	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7600		200	200	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79				SU			10/15/24 10:55	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-3

Date Collected: 10/15/24 11:06
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5800**		100	71	mg/L			10/19/24 16:14	100
Fluoride, Dissolved	**0.47**	**J**	1.0	0.26	mg/L			10/19/24 15:55	10
Sulfate, Dissolved	**840**		10	7.6	mg/L			10/19/24 15:55	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:20	1
Barium, Dissolved	**0.067**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:20	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:20	1
Boron, Dissolved	**1.7**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:33	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:20	1
Calcium, Dissolved	**150**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:20	1
Chromium, Dissolved	**0.0014**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:20	1
Cobalt, Dissolved	**0.00026**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:20	1
Molybdenum, Dissolved	**0.0040**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:20	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:20	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:20	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:20	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:20	1
Lithium, Dissolved	**0.073**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:20	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7800**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.79**				SU			10/15/24 11:06	1

Client Sample ID: SW-4
Lab Sample ID: 180-181459-13
Date Collected: 10/15/24 09:09
Matrix: Water
Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5400		100	71	mg/L			10/19/24 16:51	100
Fluoride	0.46	J	2.0	0.26	mg/L			10/19/24 16:32	10
Sulfate	790		10	7.6	mg/L			10/19/24 16:32	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0017	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:26	1
Barium	0.067	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:26	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:26	1
Boron	1.4		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:51	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:26	1
Calcium	150		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:26	1
Chromium	0.0013	J	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:26	1
Cobalt	0.00062	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:26	1
Molybdenum	0.0034	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:26	1
Lead	0.00039	J	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:26	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:26	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:26	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:26	1
Lithium	0.061	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	11000		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.36				SU			10/15/24 09:09	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-4

Date Collected: 10/15/24 09:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-14

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5400**		100	71	mg/L			10/19/24 17:28	100
Fluoride, Dissolved	**0.44**	**J**	1.0	0.26	mg/L			10/19/24 17:09	10
Sulfate, Dissolved	**780**		10	7.6	mg/L			10/19/24 17:09	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0017**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:26	1
Barium, Dissolved	**0.058**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:26	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:26	1
Boron, Dissolved	**1.5**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:45	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:26	1
Calcium, Dissolved	**130**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:26	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:26	1
Cobalt, Dissolved	**0.00026**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:26	1
Molybdenum, Dissolved	**0.0031**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:26	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:26	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:26	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:26	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:26	1
Lithium, Dissolved	**0.061**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:26	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7600**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.36**				SU			10/15/24 09:20	1

Client: Southern Company
Job ID: 180-181459-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-5
Lab Sample ID: 180-181459-15
Date Collected: 10/15/24 08:31
Matrix: Water
Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		50	36	mg/L			10/19/24 18:05	50
Fluoride	0.34	J	1.0	0.13	mg/L			10/19/24 17:46	5
Sulfate	570		5.0	3.8	mg/L			10/19/24 17:46	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0016	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:28	1
Barium	0.072	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:28	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:28	1
Boron	1.1		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:55	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:28	1
Calcium	110		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:28	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:28	1
Cobalt	0.00064	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:28	1
Molybdenum	0.0024	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:28	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:28	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:28	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:28	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:28	1
Lithium	0.047	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	6900		100	100	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			10/15/24 08:31	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-5

Date Collected: 10/15/24 08:48
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-16

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4200**		100	71	mg/L			10/18/24 17:06	100
Fluoride, Dissolved	<0.26		1.0	0.26	mg/L			10/18/24 16:51	10
Sulfate, Dissolved	**560**		10	7.6	mg/L			10/18/24 16:51	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:28	1
Barium, Dissolved	**0.069**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:28	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:28	1
Boron, Dissolved	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:49	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:28	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:28	1
Chromium, Dissolved	**0.0013**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:28	1
Cobalt, Dissolved	**0.00048**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:28	1
Molybdenum, Dissolved	**0.0025**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:28	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:28	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:28	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:28	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:28	1
Lithium, Dissolved	**0.050**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:28	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7000**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.78**				SU			10/15/24 08:48	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-5

Date Collected: 10/15/24 09:05
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6300**		100	71	mg/L			10/18/24 18:08	100
Fluoride	<0.26		2.0	0.26	mg/L			10/18/24 17:21	10
Sulfate	**930**		10	7.6	mg/L			10/18/24 17:21	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0026**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:30	1
Barium	**0.063**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:30	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:30	1
Boron	**1.7**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:59	1
Cadmium	**0.00034**	**J**	0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:30	1
Calcium	**180**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:30	1
Chromium	**0.0014**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:30	1
Cobalt	**0.00069**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:30	1
Molybdenum	**0.0044**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:30	1
Lead	**0.00076**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:30	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:30	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:30	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:30	1
Lithium	**0.078**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**10000**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.36**				SU			10/15/24 09:05	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-5

Date Collected: 10/15/24 09:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-18

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6600**		100	71	mg/L			10/18/24 18:38	100
Fluoride, Dissolved	<0.26		1.0	0.26	mg/L			10/18/24 18:23	10
Sulfate, Dissolved	**970**		10	7.6	mg/L			10/18/24 18:23	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:30	1
Barium, Dissolved	**0.054**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:30	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:30	1
Boron, Dissolved	**1.8**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:53	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:30	1
Calcium, Dissolved	**150**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:30	1
Chromium, Dissolved	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:30	1
Cobalt, Dissolved	**0.00031**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:30	1
Molybdenum, Dissolved	**0.0040**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:30	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:30	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:30	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:30	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:30	1
Lithium, Dissolved	**0.073**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:30	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**9300**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.36**				SU			10/15/24 09:13	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-6

Date Collected: 10/15/24 09:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-19

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4800**		100	71	mg/L			10/18/24 19:10	100
Fluoride	<0.26		2.0	0.26	mg/L			10/18/24 18:55	10
Sulfate	**620**		10	7.6	mg/L			10/18/24 18:55	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:32	1
Barium	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:32	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:32	1
Boron	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:03	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:32	1
Calcium	**120**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:32	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:32	1
Cobalt	**0.00059**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:32	1
Molybdenum	**0.0026**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:32	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:32	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:32	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:32	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:32	1
Lithium	**0.044**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7900**		100	100	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.42**				SU			10/15/24 09:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-6

Date Collected: 10/15/24 09:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-20

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4800**		100	71	mg/L			10/18/24 19:40	100
Fluoride, Dissolved	<0.26		1.0	0.26	mg/L			10/18/24 19:25	10
Sulfate, Dissolved	**650**		10	7.6	mg/L			10/18/24 19:25	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:32	1
Barium, Dissolved	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:32	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:32	1
Boron, Dissolved	**1.4**		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 23:57	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:32	1
Calcium, Dissolved	**120**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:32	1
Chromium, Dissolved	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:32	1
Cobalt, Dissolved	**0.00036**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:32	1
Molybdenum, Dissolved	**0.0027**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:32	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:32	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:32	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:32	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:32	1
Lithium, Dissolved	**0.055**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:32	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**8800**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.42**				SU			10/15/24 09:52	1

Client Sample ID: SW-6
Lab Sample ID: 180-181459-21

Date Collected: 10/15/24 10:03
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6000**		100	71	mg/L			10/18/24 20:12	100
Fluoride	<0.26		2.0	0.26	mg/L			10/18/24 19:57	10
Sulfate	**850**		10	7.6	mg/L			10/18/24 19:57	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0023**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:34	1
Barium	**0.062**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:34	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:34	1
Boron	**1.7**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:07	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:34	1
Calcium	**170**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:34	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:34	1
Cobalt	**0.00064**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:34	1
Molybdenum	**0.0041**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:34	1
Lead	**0.00051**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:34	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:34	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:34	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:34	1
Lithium	**0.071**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**10000**		200	200	mg/L			10/18/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.44**				SU			10/15/24 10:03	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-6

Date Collected: 10/15/24 10:17
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-22

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**6400**		100	71	mg/L			10/18/24 21:14	100
Fluoride, Dissolved	<0.26		1.0	0.26	mg/L			10/18/24 20:27	10
Sulfate, Dissolved	**920**		10	7.6	mg/L			10/18/24 20:27	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0018**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:34	1
Barium, Dissolved	**0.057**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:34	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:34	1
Boron, Dissolved	**1.8**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:01	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:34	1
Calcium, Dissolved	**160**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:34	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:34	1
Cobalt, Dissolved	**0.00046**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:34	1
Molybdenum, Dissolved	**0.0040**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:34	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:34	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:34	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:34	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:34	1
Lithium, Dissolved	**0.075**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:34	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**8000**		200	200	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.44**				SU			10/15/24 10:17	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 10:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-23

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		10	7.1	mg/L			10/18/24 22:31	10
Fluoride	<2.6		20	2.6	mg/L			10/18/24 22:16	100
Sulfate	**6100**		100	76	mg/L			10/18/24 22:16	100

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0014**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:36	1
Barium	**0.063**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:36	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:36	1
Boron	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:11	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:36	1
Calcium	**100**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:36	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:36	1
Cobalt	**0.00054**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:36	1
Molybdenum	**0.0024**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:36	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:36	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:36	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:36	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:36	1
Lithium	**0.042**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7000**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.51**				SU			10/15/24 10:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 10:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-24

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**430**		10	7.1	mg/L			10/18/24 23:03	10
Fluoride, Dissolved	<2.6		10	2.6	mg/L			10/18/24 22:48	100
Sulfate, Dissolved	**6200**		100	76	mg/L			10/18/24 22:48	100

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:36	1
Barium, Dissolved	**0.064**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:36	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:36	1
Boron, Dissolved	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:05	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:36	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:36	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:36	1
Cobalt, Dissolved	**0.00036**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:36	1
Molybdenum, Dissolved	**0.0024**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:36	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:36	1
Antimony, Dissolved	**0.00082**	**J**	0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:36	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:36	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:36	1
Lithium, Dissolved	**0.050**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:36	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7200**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.51**				SU			10/15/24 10:52	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 11:07
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-25

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**460**		10	7.1	mg/L			10/18/24 23:33	10
Fluoride	<2.6		20	2.6	mg/L			10/18/24 23:18	100
Sulfate	**6200**		100	76	mg/L			10/18/24 23:18	100

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0016**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:38	1
Barium	**0.070**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:38	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:38	1
Boron	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:15	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:38	1
Calcium	**120**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:38	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:38	1
Cobalt	**0.00056**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:38	1
Molybdenum	**0.0027**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:38	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:38	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:38	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:38	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:38	1
Lithium	**0.046**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7400**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.47**				SU			10/15/24 11:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-9

Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-26

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4700**		100	71	mg/L			10/19/24 00:35	100
Fluoride, Dissolved	<0.26		1.0	0.26	mg/L			10/19/24 00:20	10
Sulfate, Dissolved	**620**		10	7.6	mg/L			10/19/24 00:20	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0014**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:38	1
Barium, Dissolved	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:38	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:38	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:09	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:38	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:38	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:38	1
Cobalt, Dissolved	**0.00034**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:38	1
Molybdenum, Dissolved	**0.0026**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:38	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:38	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:38	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:38	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:38	1
Lithium, Dissolved	**0.053**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:38	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**6900**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.47**				SU			10/15/24 11:15	1

Client Sample ID: SW-10
Lab Sample ID: 180-181459-27

Date Collected: 10/15/24 11:50
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4300		50	36	mg/L			10/19/24 19:19	50
Fluoride	0.30	J	1.0	0.13	mg/L			10/19/24 19:00	5
Sulfate	630		5.0	3.8	mg/L			10/19/24 19:00	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0018	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:40	1
Barium	0.068	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:40	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:40	1
Boron	1.1		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:19	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:40	1
Calcium	110		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:40	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:40	1
Cobalt	0.00067	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:40	1
Molybdenum	0.0025	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:40	1
Lead	0.00027	J	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:40	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:40	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:40	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:40	1
Lithium	0.044	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7000		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.44				SU			10/15/24 11:50	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-10

Date Collected: 10/15/24 11:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-28

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4300**		50	36	mg/L			10/19/24 20:51	50
Fluoride, Dissolved	**0.29**	**J**	0.50	0.13	mg/L			10/19/24 20:33	5
Sulfate, Dissolved	**620**		5.0	3.8	mg/L			10/19/24 20:33	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:40	1
Barium, Dissolved	**0.064**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:40	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:40	1
Boron, Dissolved	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:13	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:40	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:40	1
Chromium, Dissolved	**0.0012**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:40	1
Cobalt, Dissolved	**0.00041**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:40	1
Molybdenum, Dissolved	**0.0025**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:40	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:40	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:40	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:40	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:40	1
Lithium, Dissolved	**0.053**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:40	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7600**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.44**				SU			10/15/24 11:59	1

Client Sample ID: SW-11
Lab Sample ID: 180-181459-29

Date Collected: 10/15/24 12:26
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4300**		50	36	mg/L			10/19/24 21:28	50
Fluoride	**0.34**	**J**	1.0	0.13	mg/L			10/19/24 21:10	5
Sulfate	**620**		5.0	3.8	mg/L			10/19/24 21:10	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0014**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:42	1
Barium	**0.064**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:42	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:42	1
Boron	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:23	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:42	1
Calcium	**100**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:42	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:42	1
Cobalt	**0.00061**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:42	1
Molybdenum	**0.0022**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:42	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:42	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:42	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:42	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:42	1
Lithium	**0.042**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7100**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.51**				SU			10/15/24 12:26	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-11

Date Collected: 10/15/24 12:37
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-30

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4300**		50	36	mg/L			10/19/24 22:42	50
Fluoride, Dissolved	**0.27**	**J**	0.50	0.13	mg/L			10/19/24 22:24	5
Sulfate, Dissolved	**620**		5.0	3.8	mg/L			10/19/24 22:24	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:42	1
Barium, Dissolved	**0.066**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:42	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:42	1
Boron, Dissolved	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:18	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:42	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:42	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:42	1
Cobalt, Dissolved	**0.00041**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:42	1
Molybdenum, Dissolved	**0.0025**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:42	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:42	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:42	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:42	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:42	1
Lithium, Dissolved	**0.055**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:42	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7300**		100	100	mg/L			10/18/24 10:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.51**				SU			10/15/24 12:37	1

Client Sample ID: SW-12
Lab Sample ID: 180-181459-31

Date Collected: 10/15/24 12:54
Matrix: Water
Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4500**		50	36	mg/L			10/19/24 13:44	50
Fluoride	**0.36**	**J**	1.0	0.13	mg/L			10/19/24 13:29	5
Sulfate	**650**		5.0	3.8	mg/L			10/19/24 13:29	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:44	1
Barium	**0.066**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:44	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:44	1
Boron	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:27	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:44	1
Calcium	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:44	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:44	1
Cobalt	**0.00059**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:44	1
Molybdenum	**0.0023**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:44	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:44	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:44	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:44	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:44	1
Lithium	**0.046**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6700**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.65**				SU			10/15/24 12:54	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-12

Date Collected: 10/15/24 13:01
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-32

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4700**		50	36	mg/L			10/19/24 14:13	50
Fluoride, Dissolved	**0.42**	**J**	0.50	0.13	mg/L			10/19/24 13:58	5
Sulfate, Dissolved	**680**		5.0	3.8	mg/L			10/19/24 13:58	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:44	1
Barium, Dissolved	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:44	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:44	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:22	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:44	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:44	1
Chromium, Dissolved	**0.0013**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:44	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:44	1
Molybdenum, Dissolved	**0.0028**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:44	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:44	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:44	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:44	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:44	1
Lithium, Dissolved	**0.051**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:44	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**6800**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.65**				SU			10/15/24 13:01	1

Client Sample ID: SW-13
Lab Sample ID: 180-181459-33

Date Collected: 10/15/24 12:12
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5200**		50	36	mg/L			10/19/24 15:27	50
Fluoride	**0.38**	**J**	1.0	0.13	mg/L			10/19/24 15:12	5
Sulfate	**720**		5.0	3.8	mg/L			10/19/24 15:12	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:50	1
Barium	**0.063**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:50	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:50	1
Boron	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:39	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:50	1
Calcium	**120**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:50	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:50	1
Cobalt	**0.00047**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:50	1
Molybdenum	**0.0022**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:50	1
Lead	**0.00025**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:50	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:50	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:50	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:50	1
Lithium	**0.046**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8800**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.09**				SU			10/15/24 12:12	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-13

Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-34

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5200**		50	36	mg/L			10/19/24 15:57	50
Fluoride, Dissolved	**0.41**	**J**	0.50	0.13	mg/L			10/19/24 15:42	5
Sulfate, Dissolved	**720**		5.0	3.8	mg/L			10/19/24 15:42	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:50	1
Barium, Dissolved	**0.073**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:50	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:50	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:34	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:50	1
Calcium, Dissolved	**130**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:50	1
Chromium, Dissolved	**0.0014**	**J**	0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:50	1
Cobalt, Dissolved	**0.00033**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:50	1
Molybdenum, Dissolved	**0.0029**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:50	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:50	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:50	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:50	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:50	1
Lithium, Dissolved	**0.057**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:50	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**8200**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.09**				SU			10/15/24 12:20	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-14

Date Collected: 10/15/24 13:13
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-35

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5300**		100	71	mg/L			10/26/24 20:08	100
Fluoride	**0.44**	**J**	2.0	0.26	mg/L			10/26/24 19:50	10
Sulfate	**750**		10	7.6	mg/L			10/26/24 19:50	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		10/25/24 06:25	10/25/24 22:57	1
Barium	**0.061**	**^6+**	0.025	0.00089	mg/L		10/25/24 06:25	10/25/24 22:57	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/24 06:25	10/25/24 22:57	1
Boron	**1.4**	**J**	2.0	0.088	mg/L		10/25/24 06:25	10/28/24 16:15	4
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/24 06:25	10/25/24 22:57	1
Calcium	**120**		2.5	0.14	mg/L		10/25/24 06:25	10/25/24 22:57	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/24 06:25	10/25/24 22:57	1
Cobalt	**0.00035**	**J**	0.013	0.00022	mg/L		10/25/24 06:25	10/25/24 22:57	1
Molybdenum	**0.0028**	**J**	0.075	0.00086	mg/L		10/25/24 06:25	10/25/24 22:57	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/24 06:25	10/25/24 22:57	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/24 06:25	10/25/24 22:57	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/24 06:25	10/25/24 22:57	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:25	10/25/24 22:57	1
Lithium	**0.048**	**B**	0.025	0.0020	mg/L		10/25/24 06:25	10/25/24 22:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8200**	**H**	100	100	mg/L			10/23/24 11:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.42**				SU			10/15/24 13:13	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-14

Date Collected: 10/15/24 13:24
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-36

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5200**		100	71	mg/L			10/26/24 20:45	100
Fluoride, Dissolved	**0.45**	**J**	1.0	0.26	mg/L			10/26/24 20:27	10
Sulfate, Dissolved	**760**		10	7.6	mg/L			10/26/24 20:27	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**	**J**	0.015	0.00086	mg/L		10/25/24 06:29	10/25/24 22:12	1
Barium, Dissolved	**0.061**	**^6+**	0.025	0.00089	mg/L		10/25/24 06:29	10/25/24 22:12	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/24 06:29	10/25/24 22:12	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/25/24 06:29	10/25/24 22:12	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/24 06:29	10/25/24 22:12	1
Calcium, Dissolved	**120**		2.5	0.14	mg/L		10/25/24 06:29	10/25/24 22:12	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/24 06:29	10/25/24 22:12	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/25/24 06:29	10/25/24 22:12	1
Molybdenum, Dissolved	**0.0030**	**J**	0.075	0.00086	mg/L		10/25/24 06:29	10/25/24 22:12	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/24 06:29	10/25/24 22:12	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/24 06:29	10/25/24 22:12	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/24 06:29	10/25/24 22:12	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:29	10/25/24 22:12	1
Lithium, Dissolved	**0.046**		0.025	0.0020	mg/L		10/25/24 06:29	10/25/24 22:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 17:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**10000**	**H**	100	100	mg/L			10/23/24 11:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.42**				SU			10/15/24 13:24	1

Client Sample ID: SW-15
Lab Sample ID: 180-181459-37

Date Collected: 10/15/24 13:50
Matrix: Water

Date Received: 10/22/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5300**		100	71	mg/L			10/26/24 21:59	100
Fluoride	**0.43**	**J**	2.0	0.26	mg/L			10/26/24 21:41	10
Sulfate	**750**		10	7.6	mg/L			10/26/24 21:41	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0017**	**J**	0.015	0.00086	mg/L		10/25/24 06:25	10/25/24 22:59	1
Barium	**0.065**	**^6+**	0.025	0.00089	mg/L		10/25/24 06:25	10/25/24 22:59	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/24 06:25	10/25/24 22:59	1
Boron	**1.5**	**J**	2.0	0.088	mg/L		10/25/24 06:25	10/28/24 16:17	4
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/24 06:25	10/25/24 22:59	1
Calcium	**130**		2.5	0.14	mg/L		10/25/24 06:25	10/25/24 22:59	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/24 06:25	10/25/24 22:59	1
Cobalt	**0.00032**	**J**	0.013	0.00022	mg/L		10/25/24 06:25	10/25/24 22:59	1
Molybdenum	**0.0032**	**J**	0.075	0.00086	mg/L		10/25/24 06:25	10/25/24 22:59	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/24 06:25	10/25/24 22:59	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/24 06:25	10/25/24 22:59	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/24 06:25	10/25/24 22:59	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:25	10/25/24 22:59	1
Lithium	**0.052**	**B**	0.025	0.0020	mg/L		10/25/24 06:25	10/25/24 22:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8600**	**H**	100	100	mg/L			10/23/24 11:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.24**				SU			10/15/24 13:50	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-15

Date Collected: 10/15/24 14:01
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-38

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5300**		100	71	mg/L			10/26/24 23:32	100
Fluoride, Dissolved	**0.45**	**J**	1.0	0.26	mg/L			10/26/24 23:13	10
Sulfate, Dissolved	**760**		10	7.6	mg/L			10/26/24 23:13	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00093**	**J**	0.015	0.00086	mg/L		10/25/24 06:29	10/25/24 22:14	1
Barium, Dissolved	**0.060**	**^6+**	0.025	0.00089	mg/L		10/25/24 06:29	10/25/24 22:14	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/24 06:29	10/25/24 22:14	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/25/24 06:29	10/25/24 22:14	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/24 06:29	10/25/24 22:14	1
Calcium, Dissolved	**120**		2.5	0.14	mg/L		10/25/24 06:29	10/25/24 22:14	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/24 06:29	10/25/24 22:14	1
Cobalt, Dissolved	**0.00023**	**J**	0.013	0.00022	mg/L		10/25/24 06:29	10/25/24 22:14	1
Molybdenum, Dissolved	**0.0030**	**J**	0.075	0.00086	mg/L		10/25/24 06:29	10/25/24 22:14	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/24 06:29	10/25/24 22:14	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/24 06:29	10/25/24 22:14	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/24 06:29	10/25/24 22:14	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:29	10/25/24 22:14	1
Lithium, Dissolved	**0.043**		0.025	0.0020	mg/L		10/25/24 06:29	10/25/24 22:14	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 17:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**8600**	**H**	100	100	mg/L			10/23/24 11:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.24**				SU			10/15/24 14:01	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-16

Date Collected: 10/15/24 14:26
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-39

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5100		50	36	mg/L			10/19/24 16:26	50
Fluoride	0.39	J	1.0	0.13	mg/L			10/19/24 16:11	5
Sulfate	710		5.0	3.8	mg/L			10/19/24 16:11	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0012	J	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:51	1
Barium	0.062	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:51	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:51	1
Boron	1.3		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:44	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:51	1
Calcium	110		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:51	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:51	1
Cobalt	0.00024	J	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:51	1
Molybdenum	0.0023	J	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:51	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:51	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:51	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:51	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:51	1
Lithium	0.043	B	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7900		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.11				SU			10/15/24 14:26	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-16

Date Collected: 10/15/24 14:36
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-40

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5100**		100	71	mg/L			10/19/24 17:25	100
Fluoride, Dissolved	**0.73**	**J**	1.0	0.26	mg/L			10/19/24 17:10	10
Sulfate, Dissolved	**700**		10	7.6	mg/L			10/19/24 17:10	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0014**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:52	1
Barium, Dissolved	**0.069**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:52	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:52	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:38	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:52	1
Calcium, Dissolved	**130**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:52	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:52	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:52	1
Molybdenum, Dissolved	**0.0030**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:52	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:52	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:52	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:52	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:52	1
Lithium, Dissolved	**0.059**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:52	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 14:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**8000**		100	100	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.11**				SU			10/15/24 14:36	1

Client Sample ID: SW-17
Lab Sample ID: 180-181459-41

Date Collected: 10/15/24 15:25
Matrix: Water

Date Received: 10/17/24 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6100**		100	71	mg/L			10/19/24 18:25	100
Fluoride	**0.66**	**J**	2.0	0.26	mg/L			10/19/24 18:10	10
Sulfate	**860**		10	7.6	mg/L			10/19/24 18:10	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:53	1
Barium	**0.071**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:53	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:53	1
Boron	**1.5**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:48	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:53	1
Calcium	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:53	1
Cobalt	**0.00024**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:53	1
Molybdenum	**0.0027**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:53	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:53	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:53	1
Lithium	**0.053**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8400**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.96**				SU			10/15/24 15:25	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: SW-17

Date Collected: 10/15/24 15:39
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-42

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5900**		100	71	mg/L			10/19/24 23:19	100
Fluoride, Dissolved	**0.44**	**J**	1.0	0.26	mg/L			10/19/24 23:00	10
Sulfate, Dissolved	**830**		10	7.6	mg/L			10/19/24 23:00	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:54	1
Barium, Dissolved	**0.073**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:54	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:54	1
Boron, Dissolved	**1.6**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:42	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:54	1
Calcium, Dissolved	**140**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:54	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:54	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:54	1
Molybdenum, Dissolved	**0.0030**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:54	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:54	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:54	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:54	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:54	1
Lithium, Dissolved	**0.059**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:54	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**6500**		200	200	mg/L			10/18/24 10:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.96**				SU			10/15/24 15:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: DUP-01

Date Collected: 10/15/24 10:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-43

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4500**		50	36	mg/L			10/19/24 16:56	50
Fluoride	**0.41**	**J**	1.0	0.13	mg/L			10/19/24 16:41	5
Sulfate	**620**		5.0	3.8	mg/L			10/19/24 16:41	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0017**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:55	1
Barium	**0.067**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:55	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:55	1
Boron	**1.2**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 02:52	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:55	1
Calcium	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:55	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:55	1
Cobalt	**0.00068**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:55	1
Molybdenum	**0.0024**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:55	1
Lead	**0.00027**	**J**	0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:55	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:55	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:55	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:55	1
Lithium	**0.041**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7500**		100	100	mg/L			10/18/24 10:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: DUP-01

Date Collected: 10/15/24 10:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-44

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**4400**		50	36	mg/L			10/19/24 23:56	50
Fluoride, Dissolved	**0.29**	**J**	0.50	0.13	mg/L			10/19/24 23:37	5
Sulfate, Dissolved	**620**		5.0	3.8	mg/L			10/19/24 23:37	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0012**	**J**	0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:56	1
Barium, Dissolved	**0.065**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:56	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:56	1
Boron, Dissolved	**1.3**		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 00:46	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:56	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:56	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:56	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:56	1
Molybdenum, Dissolved	**0.0026**	**J**	0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:56	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:56	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:56	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:56	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:56	1
Lithium, Dissolved	**0.051**	**B**	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:13	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**6600**		100	100	mg/L			10/18/24 10:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: DUP-02

Date Collected: 10/15/24 11:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-45

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5000**		100	71	mg/L			10/20/24 00:33	100
Fluoride	**0.42**	**J**	2.0	0.26	mg/L			10/20/24 00:14	10
Sulfate	**710**		10	7.6	mg/L			10/20/24 00:14	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:35	1
Barium	**0.060**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:35	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:35	1
Boron	**1.0**	**B**	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:35	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:35	1
Calcium	**110**		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:35	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:35	1
Cobalt	**0.00044**	**J**	0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:35	1
Molybdenum	**0.0026**	**J F1 F2**	0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:35	1
Lead	**0.00025**	**J**	0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:35	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:35	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:35	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:35	1
Lithium	**0.053**	**B**	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7900**		100	100	mg/L			10/18/24 10:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: DUP-02

Date Collected: 10/15/24 11:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-46

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**5000**		100	71	mg/L			10/20/24 01:10	100
Fluoride, Dissolved	**0.42**	**J**	1.0	0.26	mg/L			10/20/24 00:51	10
Sulfate, Dissolved	**700**		10	7.6	mg/L			10/20/24 00:51	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0013**	**J**	0.015	0.00086	mg/L		10/23/24 08:56	10/24/24 17:49	1
Barium, Dissolved	**0.061**	**^6+**	0.025	0.00089	mg/L		10/23/24 08:56	10/24/24 17:49	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:56	10/24/24 17:49	1
Boron, Dissolved	**1.0**	**B**	0.50	0.022	mg/L		10/23/24 08:56	10/24/24 17:49	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:56	10/24/24 17:49	1
Calcium, Dissolved	**110**		2.5	0.14	mg/L		10/23/24 08:56	10/24/24 17:49	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:56	10/24/24 17:49	1
Cobalt, Dissolved	**0.00031**	**J**	0.013	0.00022	mg/L		10/23/24 08:56	10/24/24 17:49	1
Molybdenum, Dissolved	**0.0025**	**J**	0.075	0.00086	mg/L		10/23/24 08:56	10/24/24 17:49	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:56	10/24/24 17:49	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:56	10/24/24 17:49	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:56	10/24/24 17:49	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:56	10/24/24 17:49	1
Lithium, Dissolved	**0.056**	**B**	0.025	0.0020	mg/L		10/23/24 08:56	10/24/24 17:49	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**7800**		100	100	mg/L			10/18/24 10:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: EB-01

Date Collected: 10/15/24 00:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-47

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/20/24 02:05	1
Fluoride	<0.026		0.20	0.026	mg/L			10/20/24 02:05	1
Sulfate	<0.76		1.0	0.76	mg/L			10/20/24 02:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:43	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:43	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:43	1
Boron	**0.049**	**J B**	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:43	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:43	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:43	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:43	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:43	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:43	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:43	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:43	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:43	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:43	1
Lithium	**0.0085**	**J B**	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/18/24 10:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: FB-01

Date Collected: 10/15/24 07:54
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-48

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/20/24 02:24	1
Fluoride	<0.026		0.20	0.026	mg/L			10/20/24 02:24	1
Sulfate	<0.76		1.0	0.76	mg/L			10/20/24 02:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:45	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:45	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:45	1
Boron	**0.038**	**J B**	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:45	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:45	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:45	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:45	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:45	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:45	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:45	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:45	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:45	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:45	1
Lithium	**0.0044**	**J B**	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/18/24 10:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: EB-02

Date Collected: 10/15/24 18:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-49

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/19/24 19:24	1
Fluoride	<0.026		0.20	0.026	mg/L			10/19/24 19:24	1
Sulfate	<0.76		1.0	0.76	mg/L			10/19/24 19:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:41	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:41	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:41	1
Boron	**0.081**	**J B**	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:41	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:41	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:41	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:41	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:41	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:41	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:41	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:41	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:41	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:41	1
Lithium	**0.0093**	**J B**	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/18/24 10:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-1

Client Sample ID: FB-02

Date Collected: 10/15/24 18:04
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-50

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/19/24 14:28	1
Fluoride	<0.026		0.20	0.026	mg/L			10/19/24 14:28	1
Sulfate	<0.76		1.0	0.76	mg/L			10/19/24 14:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:56	10/24/24 17:47	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:56	10/24/24 17:47	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:56	10/24/24 17:47	1
Boron	**0.033**	**J B**	0.50	0.022	mg/L		10/23/24 08:56	10/24/24 17:47	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:56	10/24/24 17:47	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:56	10/24/24 17:47	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:56	10/24/24 17:47	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:56	10/24/24 17:47	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:56	10/24/24 17:47	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:56	10/24/24 17:47	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:56	10/24/24 17:47	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:56	10/24/24 17:47	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:56	10/24/24 17:47	1
Lithium	**0.0075**	**J B**	0.025	0.0020	mg/L		10/23/24 08:56	10/24/24 17:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/18/24 10:04	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-482166/56
Matrix: Water
Analysis Batch: 482166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/19/24 00:10	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/19/24 00:10	1
Fluoride	<0.026		0.20	0.026	mg/L			10/19/24 00:10	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/19/24 00:10	1
Sulfate	<0.76		1.0	0.76	mg/L			10/19/24 00:10	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/19/24 00:10	1

Lab Sample ID: MB 180-482166/6
Matrix: Water
Analysis Batch: 482166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/18/24 11:19	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/18/24 11:19	1
Fluoride	<0.026		0.20	0.026	mg/L			10/18/24 11:19	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/18/24 11:19	1
Sulfate	<0.76		1.0	0.76	mg/L			10/18/24 11:19	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/18/24 11:19	1

Lab Sample ID: LCS 180-482166/57
Matrix: Water
Analysis Batch: 482166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.7		mg/L		107	90 - 110
Chloride, Dissolved	50.0	53.7		mg/L		107	90 - 110
Fluoride	2.50	2.42		mg/L		97	90 - 110
Fluoride, Dissolved	2.50	2.42		mg/L		97	90 - 110
Sulfate	50.0	52.0		mg/L		104	90 - 110
Sulfate, Dissolved	50.0	52.0		mg/L		104	90 - 110

Lab Sample ID: LCS 180-482166/7
Matrix: Water
Analysis Batch: 482166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	52.7		mg/L		105	90 - 110
Chloride, Dissolved	50.0	52.7		mg/L		105	90 - 110
Fluoride	2.50	2.40		mg/L		96	90 - 110
Fluoride, Dissolved	2.50	2.40		mg/L		96	90 - 110
Sulfate	50.0	50.8		mg/L		102	90 - 110
Sulfate, Dissolved	50.0	50.8		mg/L		102	90 - 110

Lab Sample ID: MB 180-482167/6
Matrix: Water
Analysis Batch: 482167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/18/24 11:31	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-482167/6
Matrix: Water
Analysis Batch: 482167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/18/24 11:31	1
Fluoride	<0.026		0.10	0.026	mg/L			10/18/24 11:31	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			10/18/24 11:31	1
Sulfate	<0.76		1.0	0.76	mg/L			10/18/24 11:31	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/18/24 11:31	1

Lab Sample ID: LCS 180-482167/7
Matrix: Water
Analysis Batch: 482167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.5		mg/L		97	90 - 110
Chloride, Dissolved	50.0	48.5		mg/L		97	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Fluoride, Dissolved	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110
Sulfate, Dissolved	50.0	47.0		mg/L		94	90 - 110

Lab Sample ID: MB 180-482229/6
Matrix: Water
Analysis Batch: 482229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/19/24 10:15	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/19/24 10:15	1
Fluoride	<0.026		0.20	0.026	mg/L			10/19/24 10:15	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/19/24 10:15	1
Sulfate	<0.76		1.0	0.76	mg/L			10/19/24 10:15	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/19/24 10:15	1

Lab Sample ID: LCS 180-482229/7
Matrix: Water
Analysis Batch: 482229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.6		mg/L		99	90 - 110
Chloride, Dissolved	50.0	49.6		mg/L		99	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Fluoride, Dissolved	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	47.4		mg/L		95	90 - 110
Sulfate, Dissolved	50.0	47.4		mg/L		95	90 - 110

Lab Sample ID: MB 180-482235/54
Matrix: Water
Analysis Batch: 482235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/20/24 02:42	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/20/24 02:42	1
Fluoride	<0.026		0.20	0.026	mg/L			10/20/24 02:42	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-482235/54
Matrix: Water
Analysis Batch: 482235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/20/24 02:42	1
Sulfate	<0.76		1.0	0.76	mg/L			10/20/24 02:42	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/20/24 02:42	1

Lab Sample ID: MB 180-482235/6
Matrix: Water
Analysis Batch: 482235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/19/24 11:31	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/19/24 11:31	1
Fluoride	<0.026		0.20	0.026	mg/L			10/19/24 11:31	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/19/24 11:31	1
Sulfate	<0.76		1.0	0.76	mg/L			10/19/24 11:31	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/19/24 11:31	1

Lab Sample ID: LCS 180-482235/55
Matrix: Water
Analysis Batch: 482235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.1		mg/L		98	90 - 110
Chloride, Dissolved	50.0	49.1		mg/L		98	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Fluoride, Dissolved	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110
Sulfate, Dissolved	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: LCS 180-482235/7
Matrix: Water
Analysis Batch: 482235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.7		mg/L		97	90 - 110
Chloride, Dissolved	50.0	48.7		mg/L		97	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Fluoride, Dissolved	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110
Sulfate, Dissolved	50.0	50.1		mg/L		100	90 - 110

Lab Sample ID: MB 180-482862/6
Matrix: Water
Analysis Batch: 482862

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/26/24 14:02	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/26/24 14:02	1
Fluoride	<0.026		0.20	0.026	mg/L			10/26/24 14:02	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/26/24 14:02	1
Sulfate	<0.76		1.0	0.76	mg/L			10/26/24 14:02	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-482862/6
Matrix: Water
Analysis Batch: 482862

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/26/24 14:02	1

Lab Sample ID: LCS 180-482862/7
Matrix: Water
Analysis Batch: 482862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.9		mg/L		96	90 - 110
Chloride, Dissolved	50.0	47.9		mg/L		96	90 - 110
Fluoride	2.50	2.48		mg/L		99	90 - 110
Fluoride, Dissolved	2.50	2.48		mg/L		99	90 - 110
Sulfate	50.0	46.9		mg/L		94	90 - 110
Sulfate, Dissolved	50.0	46.9		mg/L		94	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-860757/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 19:02	1
Barium, Dissolved	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 19:02	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 19:02	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 19:02	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 19:02	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 19:02	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 19:02	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 19:02	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 19:02	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 19:02	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 19:02	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 19:02	1
Lithium, Dissolved	0.00245	J	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 19:02	1

Lab Sample ID: MB 680-860757/1-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860757

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	<0.022		0.50	0.022	mg/L		10/23/24 08:18	10/25/24 22:56	1

Lab Sample ID: LCS 680-860757/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.102		mg/L		102	80 - 120
Barium, Dissolved	0.100	0.101	^6+	mg/L		101	80 - 120
Beryllium, Dissolved	0.0500	0.0506		mg/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-860757/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium, Dissolved	0.0500	0.0485		mg/L		97	80 - 120
Calcium, Dissolved	5.00	5.19		mg/L		104	80 - 120
Chromium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Cobalt, Dissolved	0.0500	0.0482		mg/L		96	80 - 120
Molybdenum, Dissolved	0.100	0.0968		mg/L		97	80 - 120
Lead, Dissolved	0.500	0.498		mg/L		100	80 - 120
Antimony, Dissolved	0.0500	0.0487		mg/L		97	80 - 120
Selenium, Dissolved	0.100	0.0893		mg/L		89	80 - 120
Thallium, Dissolved	0.0500	0.0481		mg/L		96	80 - 120
Lithium, Dissolved	0.500	0.542		mg/L		108	80 - 120

Lab Sample ID: LCS 680-860757/2-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	0.400	0.409	J	mg/L		102	80 - 120

Lab Sample ID: MB 680-860760/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:18	10/24/24 20:02	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:18	10/24/24 20:02	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:18	10/24/24 20:02	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:18	10/24/24 20:02	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:18	10/24/24 20:02	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:18	10/24/24 20:02	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:18	10/24/24 20:02	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:18	10/24/24 20:02	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:18	10/24/24 20:02	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:18	10/24/24 20:02	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:18	10/24/24 20:02	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:18	10/24/24 20:02	1
Lithium	0.00516	J	0.025	0.0020	mg/L		10/23/24 08:18	10/24/24 20:02	1

Lab Sample ID: MB 680-860760/1-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		10/23/24 08:18	10/26/24 01:02	1

Lab Sample ID: LCS 680-860760/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.111		mg/L		111	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-860760/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.112	^6+	mg/L		112	80 - 120
Beryllium	0.0500	0.0550		mg/L		110	80 - 120
Cadmium	0.0500	0.0534		mg/L		107	80 - 120
Calcium	5.00	5.67		mg/L		113	80 - 120
Chromium	0.100	0.111		mg/L		111	80 - 120
Cobalt	0.0500	0.0521		mg/L		104	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Lead	0.500	0.547		mg/L		109	80 - 120
Antimony	0.0500	0.0541		mg/L		108	80 - 120
Selenium	0.100	0.107		mg/L		107	80 - 120
Thallium	0.0500	0.0525		mg/L		105	80 - 120
Lithium	0.500	0.559		mg/L		112	80 - 120

Lab Sample ID: LCS 680-860760/2-A
Matrix: Water
Analysis Batch: 861534

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.407	J	mg/L		102	80 - 120

Lab Sample ID: 180-181459-1 MS
Matrix: Water
Analysis Batch: 861295

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0019	J	0.100	0.110		mg/L		109	75 - 125
Barium	0.057	^6+	0.100	0.173	^6+	mg/L		116	75 - 125
Beryllium	<0.00020		0.0500	0.0525		mg/L		105	75 - 125
Cadmium	<0.000078		0.0500	0.0507		mg/L		101	75 - 125
Calcium	140		5.00	144	4	mg/L		134	75 - 125
Chromium	<0.0012		0.100	0.117		mg/L		117	75 - 125
Cobalt	0.00055	J	0.0500	0.0569		mg/L		113	75 - 125
Molybdenum	0.0033	J	0.100	0.120		mg/L		117	75 - 125
Lead	0.00037	J	0.500	0.580		mg/L		116	75 - 125
Antimony	<0.00034		0.0500	0.0536		mg/L		107	75 - 125
Selenium	<0.00099		0.100	0.109		mg/L		109	75 - 125
Thallium	<0.00026		0.0500	0.0487		mg/L		97	75 - 125
Lithium	0.061	B	0.500	0.643		mg/L		116	75 - 125

Lab Sample ID: 180-181459-1 MS
Matrix: Water
Analysis Batch: 861534

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.6	F1	0.400	1.97		mg/L		95	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181459-1 MSD
Matrix: Water
Analysis Batch: 861295

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0019	J	0.100	0.108		mg/L		106	75 - 125	2	20
Barium	0.057	^6+	0.100	0.167	^6+	mg/L		111	75 - 125	3	20
Beryllium	<0.00020		0.0500	0.0514		mg/L		103	75 - 125	2	20
Cadmium	<0.000078		0.0500	0.0493		mg/L		99	75 - 125	3	20
Calcium	140		5.00	139	4	mg/L		39	75 - 125	3	20
Chromium	<0.0012		0.100	0.116		mg/L		116	75 - 125	2	20
Cobalt	0.00055	J	0.0500	0.0558		mg/L		111	75 - 125	2	20
Molybdenum	0.0033	J	0.100	0.117		mg/L		114	75 - 125	3	20
Lead	0.00037	J	0.500	0.575		mg/L		115	75 - 125	1	20
Antimony	<0.00034		0.0500	0.0532		mg/L		106	75 - 125	1	20
Selenium	<0.00099		0.100	0.113		mg/L		113	75 - 125	4	20
Thallium	<0.00026		0.0500	0.0481		mg/L		96	75 - 125	1	20
Lithium	0.061	B	0.500	0.631		mg/L		114	75 - 125	2	20

Lab Sample ID: 180-181459-1 MSD
Matrix: Water
Analysis Batch: 861534

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 860760

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.6	F1	0.400	1.86	F1	mg/L		69	75 - 125	6	20

Lab Sample ID: MB 680-860764/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:31	1
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		10/23/24 08:55	10/24/24 17:31	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:31	1
Barium, Dissolved	<0.00089	^6+	0.025	0.00089	mg/L		10/23/24 08:55	10/24/24 17:31	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:31	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/23/24 08:55	10/24/24 17:31	1
Boron	0.0270	J	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:31	1
Boron, Dissolved	0.0270	J	0.50	0.022	mg/L		10/23/24 08:55	10/24/24 17:31	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:31	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/23/24 08:55	10/24/24 17:31	1
Calcium	<0.14		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:31	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		10/23/24 08:55	10/24/24 17:31	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:31	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/23/24 08:55	10/24/24 17:31	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:31	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/23/24 08:55	10/24/24 17:31	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:31	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		10/23/24 08:55	10/24/24 17:31	1
Lead	<0.00021		0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:31	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/23/24 08:55	10/24/24 17:31	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:31	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/23/24 08:55	10/24/24 17:31	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:31	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-860764/1-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/23/24 08:55	10/24/24 17:31	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:31	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/23/24 08:55	10/24/24 17:31	1
Lithium	0.00308	J	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:31	1
Lithium, Dissolved	0.00308	J	0.025	0.0020	mg/L		10/23/24 08:55	10/24/24 17:31	1

Lab Sample ID: LCS 680-860764/2-A
Matrix: Water
Analysis Batch: 861295

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.105		mg/L		105	80 - 120
Arsenic, Dissolved	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.101	^6+	mg/L		101	80 - 120
Barium, Dissolved	0.100	0.101	^6+	mg/L		101	80 - 120
Beryllium	0.0500	0.0478		mg/L		96	80 - 120
Beryllium, Dissolved	0.0500	0.0478		mg/L		96	80 - 120
Boron	0.400	0.469	J	mg/L		117	80 - 120
Boron, Dissolved	0.400	0.469	J	mg/L		117	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium, Dissolved	0.0500	0.0493		mg/L		99	80 - 120
Calcium	5.00	5.22		mg/L		104	80 - 120
Calcium, Dissolved	5.00	5.22		mg/L		104	80 - 120
Chromium	0.100	0.102		mg/L		102	80 - 120
Chromium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Cobalt	0.0500	0.0486		mg/L		97	80 - 120
Cobalt, Dissolved	0.0500	0.0486		mg/L		97	80 - 120
Molybdenum	0.100	0.0974		mg/L		97	80 - 120
Molybdenum, Dissolved	0.100	0.0974		mg/L		97	80 - 120
Lead	0.500	0.502		mg/L		100	80 - 120
Lead, Dissolved	0.500	0.502		mg/L		100	80 - 120
Antimony	0.0500	0.0484		mg/L		97	80 - 120
Antimony, Dissolved	0.0500	0.0484		mg/L		97	80 - 120
Selenium	0.100	0.0940		mg/L		94	80 - 120
Selenium, Dissolved	0.100	0.0940		mg/L		94	80 - 120
Thallium	0.0500	0.0489		mg/L		98	80 - 120
Thallium, Dissolved	0.0500	0.0489		mg/L		98	80 - 120
Lithium	0.500	0.531		mg/L		106	80 - 120
Lithium, Dissolved	0.500	0.531		mg/L		106	80 - 120

Lab Sample ID: 180-181459-45 MS
Matrix: Water
Analysis Batch: 861295

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0013	J	0.100	0.103		mg/L		102	75 - 125
Arsenic, Dissolved	0.0013	J	0.100	0.103		mg/L		102	75 - 125
Barium	0.060	^6+	0.100	0.162	^6+	mg/L		102	75 - 125
Barium, Dissolved	0.060	^6+	0.100	0.162	^6+	mg/L		102	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181459-45 MS
Matrix: Water
Analysis Batch: 861295

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	<0.00020		0.0500	0.0460		mg/L		92	75 - 125
Beryllium, Dissolved	<0.00020		0.0500	0.0460		mg/L		92	75 - 125
Boron	1.0	B	0.400	1.40		mg/L		98	75 - 125
Boron, Dissolved	1.0	B	0.400	1.40		mg/L		98	75 - 125
Cadmium	<0.000078		0.0500	0.0484		mg/L		97	75 - 125
Cadmium, Dissolved	<0.000078		0.0500	0.0484		mg/L		97	75 - 125
Calcium	110		5.00	112	4	mg/L		37	75 - 125
Calcium, Dissolved	110		5.00	112	4	mg/L		37	75 - 125
Chromium	<0.0012		0.100	0.107		mg/L		107	75 - 125
Chromium, Dissolved	<0.0012		0.100	0.107		mg/L		107	75 - 125
Cobalt	0.00044	J	0.0500	0.0535		mg/L		106	75 - 125
Cobalt, Dissolved	0.00044	J	0.0500	0.0535		mg/L		106	75 - 125
Molybdenum	0.0026	J F1 F2	0.100	0.0793		mg/L		77	75 - 125
Molybdenum, Dissolved	0.0026	J F1 F2	0.100	0.0793		mg/L		77	75 - 125
Lead	0.00025	J	0.500	0.526		mg/L		105	75 - 125
Lead, Dissolved	0.00025	J	0.500	0.526		mg/L		105	75 - 125
Antimony	<0.00034		0.0500	0.0493		mg/L		99	75 - 125
Antimony, Dissolved	<0.00034		0.0500	0.0493		mg/L		99	75 - 125
Selenium	<0.00099		0.100	0.102		mg/L		102	75 - 125
Selenium, Dissolved	<0.00099		0.100	0.102		mg/L		102	75 - 125
Thallium	<0.00026		0.0500	0.0455		mg/L		91	75 - 125
Thallium, Dissolved	<0.00026		0.0500	0.0455		mg/L		91	75 - 125
Lithium	0.053	B	0.500	0.606		mg/L		111	75 - 125
Lithium, Dissolved	0.053	B	0.500	0.606		mg/L		111	75 - 125

Lab Sample ID: 180-181459-45 MSD
Matrix: Water
Analysis Batch: 861295

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0013	J	0.100	0.106		mg/L		105	75 - 125	3	20
Arsenic, Dissolved	0.0013	J	0.100	0.106		mg/L		105	75 - 125	3	20
Barium	0.060	^6+	0.100	0.169	^6+	mg/L		110	75 - 125	4	20
Barium, Dissolved	0.060	^6+	0.100	0.169	^6+	mg/L		110	75 - 125	4	20
Beryllium	<0.00020		0.0500	0.0495		mg/L		99	75 - 125	7	20
Beryllium, Dissolved	<0.00020		0.0500	0.0495		mg/L		99	75 - 125	7	20
Boron	1.0	B	0.400	1.44		mg/L		109	75 - 125	3	20
Boron, Dissolved	1.0	B	0.400	1.44		mg/L		109	75 - 125	3	20
Cadmium	<0.000078		0.0500	0.0498		mg/L		100	75 - 125	3	20
Cadmium, Dissolved	<0.000078		0.0500	0.0498		mg/L		100	75 - 125	3	20
Calcium	110		5.00	115	4	mg/L		92	75 - 125	2	20
Calcium, Dissolved	110		5.00	115	4	mg/L		92	75 - 125	2	20
Chromium	<0.0012		0.100	0.112		mg/L		112	75 - 125	5	20
Chromium, Dissolved	<0.0012		0.100	0.112		mg/L		112	75 - 125	5	20
Cobalt	0.00044	J	0.0500	0.0560		mg/L		111	75 - 125	5	20
Cobalt, Dissolved	0.00044	J	0.0500	0.0560		mg/L		111	75 - 125	5	20
Molybdenum	0.0026	J F1 F2	0.100	0.0584	J F1 F2	mg/L		56	75 - 125	30	20
Molybdenum, Dissolved	0.0026	J F1 F2	0.100	0.0584	J F1 F2	mg/L		56	75 - 125	30	20
Lead	0.00025	J	0.500	0.563		mg/L		112	75 - 125	7	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181459-45 MSD
Matrix: Water
Analysis Batch: 861295

Client Sample ID: DUP-02
Prep Type: Total Recoverable
Prep Batch: 860764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead, Dissolved	0.00025	J	0.500	0.563		mg/L		112	75 - 125	7	20
Antimony	<0.00034		0.0500	0.0508		mg/L		102	75 - 125	3	20
Antimony, Dissolved	<0.00034		0.0500	0.0508		mg/L		102	75 - 125	3	20
Selenium	<0.00099		0.100	0.112		mg/L		112	75 - 125	10	20
Selenium, Dissolved	<0.00099		0.100	0.112		mg/L		112	75 - 125	10	20
Thallium	<0.00026		0.0500	0.0476		mg/L		95	75 - 125	5	20
Thallium, Dissolved	<0.00026		0.0500	0.0476		mg/L		95	75 - 125	5	20
Lithium	0.053	B	0.500	0.621		mg/L		113	75 - 125	2	20
Lithium, Dissolved	0.053	B	0.500	0.621		mg/L		113	75 - 125	2	20

Lab Sample ID: MB 680-861154/1-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 861154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/24 06:25	10/25/24 22:22	1
Barium	<0.00089	^6+	0.025	0.00089	mg/L		10/25/24 06:25	10/25/24 22:22	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/24 06:25	10/25/24 22:22	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/24 06:25	10/25/24 22:22	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/24 06:25	10/25/24 22:22	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/24 06:25	10/25/24 22:22	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/24 06:25	10/25/24 22:22	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/24 06:25	10/25/24 22:22	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/24 06:25	10/25/24 22:22	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/24 06:25	10/25/24 22:22	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/24 06:25	10/25/24 22:22	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:25	10/25/24 22:22	1
Lithium	0.00220	J	0.025	0.0020	mg/L		10/25/24 06:25	10/25/24 22:22	1

Lab Sample ID: MB 680-861154/1-A
Matrix: Water
Analysis Batch: 861703

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 861154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		10/25/24 06:25	10/28/24 15:49	1

Lab Sample ID: LCS 680-861154/2-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 861154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.107		mg/L		107	80 - 120
Barium	0.100	0.106	^6+	mg/L		106	80 - 120
Beryllium	0.0500	0.0496		mg/L		99	80 - 120
Cadmium	0.0500	0.0518		mg/L		104	80 - 120
Calcium	5.00	5.17		mg/L		103	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.0500	0.0507		mg/L		101	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-861154/2-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 861154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.518		mg/L		104	80 - 120
Antimony	0.0500	0.0500		mg/L		100	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Thallium	0.0500	0.0496		mg/L		99	80 - 120
Lithium	0.500	0.503		mg/L		101	80 - 120

Lab Sample ID: LCS 680-861154/2-A
Matrix: Water
Analysis Batch: 861703

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 861154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.500	0.525		mg/L		105	80 - 120

Lab Sample ID: MB 680-861155/1-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 861155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		10/25/24 06:29	10/25/24 22:06	1
Barium, Dissolved	<0.00089	^6+	0.025	0.00089	mg/L		10/25/24 06:29	10/25/24 22:06	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/24 06:29	10/25/24 22:06	1
Boron, Dissolved	<0.022		0.50	0.022	mg/L		10/25/24 06:29	10/25/24 22:06	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/24 06:29	10/25/24 22:06	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		10/25/24 06:29	10/25/24 22:06	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/24 06:29	10/25/24 22:06	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		10/25/24 06:29	10/25/24 22:06	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		10/25/24 06:29	10/25/24 22:06	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/24 06:29	10/25/24 22:06	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/24 06:29	10/25/24 22:06	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/24 06:29	10/25/24 22:06	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/24 06:29	10/25/24 22:06	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		10/25/24 06:29	10/25/24 22:06	1

Lab Sample ID: LCS 680-861155/2-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 861155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.111		mg/L		111	80 - 120
Barium, Dissolved	0.100	0.107	^6+	mg/L		107	80 - 120
Beryllium, Dissolved	0.0500	0.0549		mg/L		110	80 - 120
Boron, Dissolved	0.500	0.560		mg/L		112	80 - 120
Cadmium, Dissolved	0.0500	0.0533		mg/L		107	80 - 120
Calcium, Dissolved	5.00	5.48		mg/L		110	80 - 120
Chromium, Dissolved	0.100	0.114		mg/L		114	80 - 120
Cobalt, Dissolved	0.0500	0.0526		mg/L		105	80 - 120
Molybdenum, Dissolved	0.100	0.104		mg/L		104	80 - 120
Lead, Dissolved	0.500	0.539		mg/L		108	80 - 120
Antimony, Dissolved	0.0500	0.0519		mg/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-861155/2-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 861155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium, Dissolved	0.100	0.107		mg/L		107	80 - 120
Thallium, Dissolved	0.0500	0.0521		mg/L		104	80 - 120
Lithium, Dissolved	0.500	0.531		mg/L		106	80 - 120

Lab Sample ID: LCSD 680-861155/3-A
Matrix: Water
Analysis Batch: 861371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 861155

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.100	0.107		mg/L		107	80 - 120	4	20
Barium, Dissolved	0.100	0.105	^6+	mg/L		105	80 - 120	2	20
Beryllium, Dissolved	0.0500	0.0528		mg/L		106	80 - 120	4	20
Boron, Dissolved	0.500	0.576		mg/L		115	80 - 120	3	20
Cadmium, Dissolved	0.0500	0.0516		mg/L		103	80 - 120	3	20
Calcium, Dissolved	5.00	5.35		mg/L		107	80 - 120	2	20
Chromium, Dissolved	0.100	0.110		mg/L		110	80 - 120	3	20
Cobalt, Dissolved	0.0500	0.0520		mg/L		104	80 - 120	1	20
Molybdenum, Dissolved	0.100	0.102		mg/L		102	80 - 120	2	20
Lead, Dissolved	0.500	0.526		mg/L		105	80 - 120	2	20
Antimony, Dissolved	0.0500	0.0505		mg/L		101	80 - 120	3	20
Selenium, Dissolved	0.100	0.104		mg/L		104	80 - 120	3	20
Thallium, Dissolved	0.0500	0.0508		mg/L		102	80 - 120	3	20
Lithium, Dissolved	0.500	0.528		mg/L		106	80 - 120	1	20

Lab Sample ID: 180-181459-2 MS
Matrix: Water
Analysis Batch: 861295

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 860757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0015	J	0.100	0.107		mg/L		105	75 - 125
Barium, Dissolved	0.059	^6+	0.100	0.164	^6+	mg/L		105	75 - 125
Beryllium, Dissolved	<0.00020		0.0500	0.0516		mg/L		103	75 - 125
Cadmium, Dissolved	<0.000078		0.0500	0.0507		mg/L		101	75 - 125
Calcium, Dissolved	140		5.00	131	4	mg/L		-219	75 - 125
Chromium, Dissolved	<0.0012		0.100	0.113		mg/L		113	75 - 125
Cobalt, Dissolved	0.00040	J	0.0500	0.0562		mg/L		112	75 - 125
Molybdenum, Dissolved	0.0038	J	0.100	0.120		mg/L		116	75 - 125
Lead, Dissolved	<0.00021		0.500	0.564		mg/L		113	75 - 125
Antimony, Dissolved	<0.00034		0.0500	0.0518		mg/L		104	75 - 125
Selenium, Dissolved	<0.00099		0.100	0.103		mg/L		103	75 - 125
Thallium, Dissolved	<0.00026		0.0500	0.0480		mg/L		96	75 - 125
Lithium, Dissolved	0.070	B	0.500	0.633		mg/L		113	75 - 125

Lab Sample ID: 180-181459-2 MS
Matrix: Water
Analysis Batch: 861534

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 860757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.5	F1	0.400	1.90		mg/L		90	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-181459-2 MSD
Matrix: Water
Analysis Batch: 861295

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 860757

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0015	J	0.100	0.106		mg/L		104	75 - 125	1	20
Barium, Dissolved	0.059	^6+	0.100	0.165	^6+	mg/L		106	75 - 125	1	20
Beryllium, Dissolved	<0.00020		0.0500	0.0507		mg/L		101	75 - 125	2	20
Cadmium, Dissolved	<0.000078		0.0500	0.0494		mg/L		99	75 - 125	2	20
Calcium, Dissolved	140		5.00	139	4	mg/L		-63	75 - 125	6	20
Chromium, Dissolved	<0.0012		0.100	0.112		mg/L		112	75 - 125	1	20
Cobalt, Dissolved	0.00040	J	0.0500	0.0558		mg/L		111	75 - 125	1	20
Molybdenum, Dissolved	0.0038	J	0.100	0.118		mg/L		115	75 - 125	1	20
Lead, Dissolved	<0.00021		0.500	0.553		mg/L		111	75 - 125	2	20
Antimony, Dissolved	<0.00034		0.0500	0.0511		mg/L		102	75 - 125	1	20
Selenium, Dissolved	<0.00099		0.100	0.103		mg/L		103	75 - 125	0	20
Thallium, Dissolved	<0.00026		0.0500	0.0475		mg/L		95	75 - 125	1	20
Lithium, Dissolved	0.070	B	0.500	0.637		mg/L		113	75 - 125	1	20

Lab Sample ID: 180-181459-2 MSD
Matrix: Water
Analysis Batch: 861534

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 860757

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	1.5	F1	0.400	2.04	F1	mg/L		126	75 - 125	7	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-860878/1-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 860878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 12:57	1
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/23/24 13:26	10/24/24 12:57	1

Lab Sample ID: LCS 680-860878/2-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 860878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.63		ug/L		105	80 - 120
Mercury, Dissolved	2.50	2.63		ug/L		105	80 - 120

Lab Sample ID: MB 680-860909/1-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 860909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/23/24 15:35	10/24/24 11:51	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-860909/2-A
Matrix: Water
Analysis Batch: 861222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 860909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.70		ug/L		108	80 - 120

Lab Sample ID: MB 680-861014/1-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 861014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 13:58	1
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 10:44	10/25/24 13:58	1

Lab Sample ID: LCS 680-861014/2-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 861014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.64		ug/L		106	80 - 120
Mercury, Dissolved	2.50	2.64		ug/L		106	80 - 120

Lab Sample ID: MB 680-861074/1-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 861074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 11:51	1
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/24/24 13:30	10/25/24 11:51	1

Lab Sample ID: LCS 680-861074/2-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 861074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.55		ug/L		102	80 - 120
Mercury, Dissolved	2.50	2.55		ug/L		102	80 - 120

Lab Sample ID: MB 680-861223/1-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 861223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 16:35	1
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/25/24 10:55	10/25/24 16:35	1

Lab Sample ID: LCS 680-861223/2-A
Matrix: Water
Analysis Batch: 861367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 861223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.62		ug/L		105	80 - 120
Mercury, Dissolved	2.50	2.62		ug/L		105	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-482182/1
Matrix: Water
Analysis Batch: 482182

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/18/24 10:04	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/18/24 10:04	1

Lab Sample ID: LCS 180-482182/2
Matrix: Water
Analysis Batch: 482182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	406		mg/L		97	85 - 115
Total Dissolved Solids Field Filtered	417	406		mg/L		97	85 - 115

Lab Sample ID: 180-181459-48 DU
Matrix: Water
Analysis Batch: 482182

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: 180-181459-50 DU
Matrix: Water
Analysis Batch: 482182

Client Sample ID: FB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-482183/1
Matrix: Water
Analysis Batch: 482183

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/18/24 10:15	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/18/24 10:15	1

Lab Sample ID: LCS 180-482183/2
Matrix: Water
Analysis Batch: 482183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	392		mg/L		94	85 - 115
Total Dissolved Solids Field Filtered	417	392		mg/L		94	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 180-181459-47 DU
Matrix: Water
Analysis Batch: 482183

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: 180-181459-49 DU
Matrix: Water
Analysis Batch: 482183

Client Sample ID: EB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-482193/1
Matrix: Water
Analysis Batch: 482193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/18/24 11:25	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/18/24 11:25	1

Lab Sample ID: LCS 180-482193/2
Matrix: Water
Analysis Batch: 482193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	410		mg/L		98	85 - 115
Total Dissolved Solids Field Filtered	417	410		mg/L		98	85 - 115

Lab Sample ID: MB 180-482578/1
Matrix: Water
Analysis Batch: 482578

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/23/24 11:38	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/23/24 11:38	1

Lab Sample ID: LCS 180-482578/2
Matrix: Water
Analysis Batch: 482578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	417	394		mg/L		94	85 - 115
Total Dissolved Solids Field Filtered	417	394		mg/L		94	85 - 115

HPLC/IC

Analysis Batch: 482166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	300.0	
180-181459-1	SW-1	Total/NA	Water	300.0	
180-181459-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-181459-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-181459-3	SW-1	Total/NA	Water	300.0	
180-181459-3	SW-1	Total/NA	Water	300.0	
180-181459-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-181459-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-181459-5	SW-2	Total/NA	Water	300.0	
180-181459-5	SW-2	Total/NA	Water	300.0	
180-181459-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-181459-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-181459-7	SW-2	Total/NA	Water	300.0	
180-181459-7	SW-2	Total/NA	Water	300.0	
180-181459-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-181459-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-181459-9	SW-3	Total/NA	Water	300.0	
180-181459-9	SW-3	Total/NA	Water	300.0	
180-181459-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-181459-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
MB 180-482166/56	Method Blank	Total/NA	Water	300.0	
MB 180-482166/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482166/57	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-482166/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 482167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-181459-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-181459-17	SW-5	Total/NA	Water	300.0	
180-181459-17	SW-5	Total/NA	Water	300.0	
180-181459-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-181459-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-181459-19	SW-6	Total/NA	Water	300.0	
180-181459-19	SW-6	Total/NA	Water	300.0	
180-181459-20	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-181459-20	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-181459-21	SW-6	Total/NA	Water	300.0	
180-181459-21	SW-6	Total/NA	Water	300.0	
180-181459-22	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-181459-22	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-181459-23	SW-9	Total/NA	Water	300.0	
180-181459-23	SW-9	Total/NA	Water	300.0	
180-181459-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-181459-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-181459-25	SW-9	Total/NA	Water	300.0	
180-181459-25	SW-9	Total/NA	Water	300.0	
180-181459-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-181459-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
MB 180-482167/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482167/7	Lab Control Sample	Total/NA	Water	300.0	

HPLC/IC

Analysis Batch: 482229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-31	SW-12	Total/NA	Water	300.0	
180-181459-31	SW-12	Total/NA	Water	300.0	
180-181459-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-181459-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-181459-33	SW-13	Total/NA	Water	300.0	
180-181459-33	SW-13	Total/NA	Water	300.0	
180-181459-34	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-181459-34	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-181459-39	SW-16	Total/NA	Water	300.0	
180-181459-39	SW-16	Total/NA	Water	300.0	
180-181459-40	SW-16	Dissolved	Water	EPA 300.0 R2.1	
180-181459-40	SW-16	Dissolved	Water	EPA 300.0 R2.1	
180-181459-41	SW-17	Total/NA	Water	300.0	
180-181459-41	SW-17	Total/NA	Water	300.0	
180-181459-43	DUP-01	Total/NA	Water	300.0	
180-181459-43	DUP-01	Total/NA	Water	300.0	
180-181459-49	EB-02	Total/NA	Water	300.0	
180-181459-50	FB-02	Total/NA	Water	300.0	
MB 180-482229/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482229/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 482235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-11	SW-3	Total/NA	Water	300.0	
180-181459-11	SW-3	Total/NA	Water	300.0	
180-181459-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-181459-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-181459-13	SW-4	Total/NA	Water	300.0	
180-181459-13	SW-4	Total/NA	Water	300.0	
180-181459-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-181459-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-181459-15	SW-5	Total/NA	Water	300.0	
180-181459-15	SW-5	Total/NA	Water	300.0	
180-181459-27	SW-10	Total/NA	Water	300.0	
180-181459-27	SW-10	Total/NA	Water	300.0	
180-181459-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-181459-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-181459-29	SW-11	Total/NA	Water	300.0	
180-181459-29	SW-11	Total/NA	Water	300.0	
180-181459-30	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-181459-30	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-181459-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-181459-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-181459-44	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-181459-44	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-181459-45	DUP-02	Total/NA	Water	300.0	
180-181459-45	DUP-02	Total/NA	Water	300.0	
180-181459-46	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
180-181459-46	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
180-181459-47	EB-01	Total/NA	Water	300.0	
180-181459-48	FB-01	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 482235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-482235/54	Method Blank	Total/NA	Water	300.0	
MB 180-482235/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482235/55	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-482235/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 482862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total/NA	Water	300.0	
180-181459-35	SW-14	Total/NA	Water	300.0	
180-181459-36	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-181459-36	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-181459-37	SW-15	Total/NA	Water	300.0	
180-181459-37	SW-15	Total/NA	Water	300.0	
180-181459-38	SW-15	Dissolved	Water	EPA 300.0 R2.1	
180-181459-38	SW-15	Dissolved	Water	EPA 300.0 R2.1	
MB 180-482862/6	Method Blank	Total/NA	Water	300.0	
LCS 180-482862/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 860757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-2	SW-1	Dissolved	Water	3005A	
180-181459-4	SW-1	Dissolved	Water	3005A	
180-181459-6	SW-2	Dissolved	Water	3005A	
180-181459-8	SW-2	Dissolved	Water	3005A	
180-181459-10	SW-3	Dissolved	Water	3005A	
180-181459-12	SW-3	Dissolved	Water	3005A	
180-181459-14	SW-4	Dissolved	Water	3005A	
180-181459-16	SW-5	Dissolved	Water	3005A	
180-181459-18	SW-5	Dissolved	Water	3005A	
180-181459-20	SW-6	Dissolved	Water	3005A	
180-181459-22	SW-6	Dissolved	Water	3005A	
180-181459-24	SW-9	Dissolved	Water	3005A	
180-181459-26	SW-9	Dissolved	Water	3005A	
180-181459-28	SW-10	Dissolved	Water	3005A	
180-181459-30	SW-11	Dissolved	Water	3005A	
180-181459-32	SW-12	Dissolved	Water	3005A	
180-181459-34	SW-13	Dissolved	Water	3005A	
180-181459-40	SW-16	Dissolved	Water	3005A	
180-181459-42	SW-17	Dissolved	Water	3005A	
180-181459-44	DUP-01	Dissolved	Water	3005A	
MB 680-860757/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860757/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-181459-2 MS	SW-1	Dissolved	Water	3005A	
180-181459-2 MSD	SW-1	Dissolved	Water	3005A	

Prep Batch: 860760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total Recoverable	Water	3005A	
180-181459-3	SW-1	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 860760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-5	SW-2	Total Recoverable	Water	3005A	
180-181459-7	SW-2	Total Recoverable	Water	3005A	
180-181459-9	SW-3	Total Recoverable	Water	3005A	
180-181459-11	SW-3	Total Recoverable	Water	3005A	
180-181459-13	SW-4	Total Recoverable	Water	3005A	
180-181459-15	SW-5	Total Recoverable	Water	3005A	
180-181459-17	SW-5	Total Recoverable	Water	3005A	
180-181459-19	SW-6	Total Recoverable	Water	3005A	
180-181459-21	SW-6	Total Recoverable	Water	3005A	
180-181459-23	SW-9	Total Recoverable	Water	3005A	
180-181459-25	SW-9	Total Recoverable	Water	3005A	
180-181459-27	SW-10	Total Recoverable	Water	3005A	
180-181459-29	SW-11	Total Recoverable	Water	3005A	
180-181459-31	SW-12	Total Recoverable	Water	3005A	
180-181459-33	SW-13	Total Recoverable	Water	3005A	
180-181459-39	SW-16	Total Recoverable	Water	3005A	
180-181459-41	SW-17	Total Recoverable	Water	3005A	
180-181459-43	DUP-01	Total Recoverable	Water	3005A	
MB 680-860760/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860760/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-181459-1 MS	SW-1	Total Recoverable	Water	3005A	
180-181459-1 MSD	SW-1	Total Recoverable	Water	3005A	

Prep Batch: 860764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-45	DUP-02	Total Recoverable	Water	3005A	
180-181459-46	DUP-02	Dissolved	Water	3005A	
180-181459-47	EB-01	Total Recoverable	Water	3005A	
180-181459-48	FB-01	Total Recoverable	Water	3005A	
180-181459-49	EB-02	Total Recoverable	Water	3005A	
180-181459-50	FB-02	Total Recoverable	Water	3005A	
MB 680-860764/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-860764/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-181459-45 MS	DUP-02	Total Recoverable	Water	3005A	
180-181459-45 MSD	DUP-02	Total Recoverable	Water	3005A	

Prep Batch: 860878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-10	SW-3	Dissolved	Water	7470A	
180-181459-14	SW-4	Dissolved	Water	7470A	
180-181459-16	SW-5	Dissolved	Water	7470A	
180-181459-18	SW-5	Dissolved	Water	7470A	
180-181459-22	SW-6	Dissolved	Water	7470A	
180-181459-24	SW-9	Dissolved	Water	7470A	
180-181459-26	SW-9	Dissolved	Water	7470A	
180-181459-28	SW-10	Dissolved	Water	7470A	
180-181459-30	SW-11	Dissolved	Water	7470A	
180-181459-32	SW-12	Dissolved	Water	7470A	
180-181459-34	SW-13	Dissolved	Water	7470A	
180-181459-42	SW-17	Dissolved	Water	7470A	
180-181459-44	DUP-01	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 860878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-46	DUP-02	Dissolved	Water	7470A	
180-181459-50	FB-02	Total/NA	Water	7470A	
MB 680-860878/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-860878/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 860909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	7470A	
180-181459-5	SW-2	Total/NA	Water	7470A	
180-181459-7	SW-2	Total/NA	Water	7470A	
180-181459-9	SW-3	Total/NA	Water	7470A	
180-181459-11	SW-3	Total/NA	Water	7470A	
180-181459-15	SW-5	Total/NA	Water	7470A	
180-181459-17	SW-5	Total/NA	Water	7470A	
180-181459-21	SW-6	Total/NA	Water	7470A	
180-181459-23	SW-9	Total/NA	Water	7470A	
180-181459-25	SW-9	Total/NA	Water	7470A	
180-181459-27	SW-10	Total/NA	Water	7470A	
180-181459-29	SW-11	Total/NA	Water	7470A	
180-181459-33	SW-13	Total/NA	Water	7470A	
180-181459-41	SW-17	Total/NA	Water	7470A	
180-181459-43	DUP-01	Total/NA	Water	7470A	
180-181459-45	DUP-02	Total/NA	Water	7470A	
180-181459-47	EB-01	Total/NA	Water	7470A	
180-181459-48	FB-01	Total/NA	Water	7470A	
180-181459-49	EB-02	Total/NA	Water	7470A	
MB 680-860909/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-860909/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 861014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-3	SW-1	Total/NA	Water	7470A	
180-181459-4	SW-1	Dissolved	Water	7470A	
180-181459-6	SW-2	Dissolved	Water	7470A	
180-181459-12	SW-3	Dissolved	Water	7470A	
180-181459-13	SW-4	Total/NA	Water	7470A	
180-181459-19	SW-6	Total/NA	Water	7470A	
180-181459-20	SW-6	Dissolved	Water	7470A	
180-181459-39	SW-16	Total/NA	Water	7470A	
180-181459-40	SW-16	Dissolved	Water	7470A	
MB 680-861014/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861014/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 861074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-2	SW-1	Dissolved	Water	7470A	
180-181459-8	SW-2	Dissolved	Water	7470A	
180-181459-31	SW-12	Total/NA	Water	7470A	
MB 680-861074/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861074/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals

Prep Batch: 861154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total Recoverable	Water	3005A	
180-181459-37	SW-15	Total Recoverable	Water	3005A	
MB 680-861154/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-861154/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 861155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-36	SW-14	Dissolved	Water	3005A	
180-181459-38	SW-15	Dissolved	Water	3005A	
MB 680-861155/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-861155/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 680-861155/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 861222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	7470A	860909
180-181459-5	SW-2	Total/NA	Water	7470A	860909
180-181459-7	SW-2	Total/NA	Water	7470A	860909
180-181459-9	SW-3	Total/NA	Water	7470A	860909
180-181459-10	SW-3	Dissolved	Water	7470A	860878
180-181459-11	SW-3	Total/NA	Water	7470A	860909
180-181459-14	SW-4	Dissolved	Water	7470A	860878
180-181459-15	SW-5	Total/NA	Water	7470A	860909
180-181459-16	SW-5	Dissolved	Water	7470A	860878
180-181459-17	SW-5	Total/NA	Water	7470A	860909
180-181459-18	SW-5	Dissolved	Water	7470A	860878
180-181459-21	SW-6	Total/NA	Water	7470A	860909
180-181459-22	SW-6	Dissolved	Water	7470A	860878
180-181459-23	SW-9	Total/NA	Water	7470A	860909
180-181459-24	SW-9	Dissolved	Water	7470A	860878
180-181459-25	SW-9	Total/NA	Water	7470A	860909
180-181459-26	SW-9	Dissolved	Water	7470A	860878
180-181459-27	SW-10	Total/NA	Water	7470A	860909
180-181459-28	SW-10	Dissolved	Water	7470A	860878
180-181459-29	SW-11	Total/NA	Water	7470A	860909
180-181459-30	SW-11	Dissolved	Water	7470A	860878
180-181459-32	SW-12	Dissolved	Water	7470A	860878
180-181459-33	SW-13	Total/NA	Water	7470A	860909
180-181459-34	SW-13	Dissolved	Water	7470A	860878
180-181459-41	SW-17	Total/NA	Water	7470A	860909
180-181459-42	SW-17	Dissolved	Water	7470A	860878
180-181459-43	DUP-01	Total/NA	Water	7470A	860909
180-181459-44	DUP-01	Dissolved	Water	7470A	860878
180-181459-45	DUP-02	Total/NA	Water	7470A	860909
180-181459-46	DUP-02	Dissolved	Water	7470A	860878
180-181459-47	EB-01	Total/NA	Water	7470A	860909
180-181459-48	FB-01	Total/NA	Water	7470A	860909
180-181459-49	EB-02	Total/NA	Water	7470A	860909
180-181459-50	FB-02	Total/NA	Water	7470A	860878
MB 680-860878/1-A	Method Blank	Total/NA	Water	7470A	860878
MB 680-860909/1-A	Method Blank	Total/NA	Water	7470A	860909

Metals (Continued)

Analysis Batch: 861222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-860878/2-A	Lab Control Sample	Total/NA	Water	7470A	860878
LCS 680-860909/2-A	Lab Control Sample	Total/NA	Water	7470A	860909

Prep Batch: 861223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total/NA	Water	7470A	
180-181459-36	SW-14	Dissolved	Water	7470A	
180-181459-37	SW-15	Total/NA	Water	7470A	
180-181459-38	SW-15	Dissolved	Water	7470A	
MB 680-861223/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-861223/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 861295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total Recoverable	Water	6020B	860760
180-181459-2	SW-1	Dissolved	Water	6020B	860757
180-181459-3	SW-1	Total Recoverable	Water	6020B	860760
180-181459-4	SW-1	Dissolved	Water	6020B	860757
180-181459-5	SW-2	Total Recoverable	Water	6020B	860760
180-181459-6	SW-2	Dissolved	Water	6020B	860757
180-181459-7	SW-2	Total Recoverable	Water	6020B	860760
180-181459-8	SW-2	Dissolved	Water	6020B	860757
180-181459-9	SW-3	Total Recoverable	Water	6020B	860760
180-181459-10	SW-3	Dissolved	Water	6020B	860757
180-181459-11	SW-3	Total Recoverable	Water	6020B	860760
180-181459-12	SW-3	Dissolved	Water	6020B	860757
180-181459-13	SW-4	Total Recoverable	Water	6020B	860760
180-181459-14	SW-4	Dissolved	Water	6020B	860757
180-181459-15	SW-5	Total Recoverable	Water	6020B	860760
180-181459-16	SW-5	Dissolved	Water	6020B	860757
180-181459-17	SW-5	Total Recoverable	Water	6020B	860760
180-181459-18	SW-5	Dissolved	Water	6020B	860757
180-181459-19	SW-6	Total Recoverable	Water	6020B	860760
180-181459-20	SW-6	Dissolved	Water	6020B	860757
180-181459-21	SW-6	Total Recoverable	Water	6020B	860760
180-181459-22	SW-6	Dissolved	Water	6020B	860757
180-181459-23	SW-9	Total Recoverable	Water	6020B	860760
180-181459-24	SW-9	Dissolved	Water	6020B	860757
180-181459-25	SW-9	Total Recoverable	Water	6020B	860760
180-181459-26	SW-9	Dissolved	Water	6020B	860757
180-181459-27	SW-10	Total Recoverable	Water	6020B	860760
180-181459-28	SW-10	Dissolved	Water	6020B	860757
180-181459-29	SW-11	Total Recoverable	Water	6020B	860760
180-181459-30	SW-11	Dissolved	Water	6020B	860757
180-181459-31	SW-12	Total Recoverable	Water	6020B	860760
180-181459-32	SW-12	Dissolved	Water	6020B	860757
180-181459-33	SW-13	Total Recoverable	Water	6020B	860760
180-181459-34	SW-13	Dissolved	Water	6020B	860757
180-181459-39	SW-16	Total Recoverable	Water	6020B	860760
180-181459-40	SW-16	Dissolved	Water	6020B	860757
180-181459-41	SW-17	Total Recoverable	Water	6020B	860760

Metals (Continued)

Analysis Batch: 861295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-42	SW-17	Dissolved	Water	6020B	860757
180-181459-43	DUP-01	Total Recoverable	Water	6020B	860760
180-181459-44	DUP-01	Dissolved	Water	6020B	860757
180-181459-45	DUP-02	Total Recoverable	Water	6020B	860764
180-181459-46	DUP-02	Dissolved	Water	6020B	860764
180-181459-47	EB-01	Total Recoverable	Water	6020B	860764
180-181459-48	FB-01	Total Recoverable	Water	6020B	860764
180-181459-49	EB-02	Total Recoverable	Water	6020B	860764
180-181459-50	FB-02	Total Recoverable	Water	6020B	860764
MB 680-860757/1-A	Method Blank	Total Recoverable	Water	6020B	860757
MB 680-860760/1-A	Method Blank	Total Recoverable	Water	6020B	860760
MB 680-860764/1-A	Method Blank	Total Recoverable	Water	6020B	860764
LCS 680-860757/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860757
LCS 680-860760/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860760
LCS 680-860764/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860764
180-181459-1 MS	SW-1	Total Recoverable	Water	6020B	860760
180-181459-1 MSD	SW-1	Total Recoverable	Water	6020B	860760
180-181459-2 MS	SW-1	Dissolved	Water	6020B	860757
180-181459-2 MSD	SW-1	Dissolved	Water	6020B	860757
180-181459-45 MS	DUP-02	Total Recoverable	Water	6020B	860764
180-181459-45 MSD	DUP-02	Total Recoverable	Water	6020B	860764

Analysis Batch: 861367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-2	SW-1	Dissolved	Water	7470A	861074
180-181459-3	SW-1	Total/NA	Water	7470A	861014
180-181459-4	SW-1	Dissolved	Water	7470A	861014
180-181459-6	SW-2	Dissolved	Water	7470A	861014
180-181459-8	SW-2	Dissolved	Water	7470A	861074
180-181459-12	SW-3	Dissolved	Water	7470A	861014
180-181459-13	SW-4	Total/NA	Water	7470A	861014
180-181459-19	SW-6	Total/NA	Water	7470A	861014
180-181459-20	SW-6	Dissolved	Water	7470A	861014
180-181459-31	SW-12	Total/NA	Water	7470A	861074
180-181459-35	SW-14	Total/NA	Water	7470A	861223
180-181459-36	SW-14	Dissolved	Water	7470A	861223
180-181459-37	SW-15	Total/NA	Water	7470A	861223
180-181459-38	SW-15	Dissolved	Water	7470A	861223
180-181459-39	SW-16	Total/NA	Water	7470A	861014
180-181459-40	SW-16	Dissolved	Water	7470A	861014
MB 680-861014/1-A	Method Blank	Total/NA	Water	7470A	861014
MB 680-861074/1-A	Method Blank	Total/NA	Water	7470A	861074
MB 680-861223/1-A	Method Blank	Total/NA	Water	7470A	861223
LCS 680-861014/2-A	Lab Control Sample	Total/NA	Water	7470A	861014
LCS 680-861074/2-A	Lab Control Sample	Total/NA	Water	7470A	861074
LCS 680-861223/2-A	Lab Control Sample	Total/NA	Water	7470A	861223

Analysis Batch: 861371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total Recoverable	Water	6020B	861154
180-181459-36	SW-14	Dissolved	Water	6020B	861155

Metals (Continued)

Analysis Batch: 861371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-37	SW-15	Total Recoverable	Water	6020B	861154
180-181459-38	SW-15	Dissolved	Water	6020B	861155
MB 680-861154/1-A	Method Blank	Total Recoverable	Water	6020B	861154
MB 680-861155/1-A	Method Blank	Total Recoverable	Water	6020B	861155
LCS 680-861154/2-A	Lab Control Sample	Total Recoverable	Water	6020B	861154
LCS 680-861155/2-A	Lab Control Sample	Total Recoverable	Water	6020B	861155
LCSD 680-861155/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	861155

Analysis Batch: 861534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total Recoverable	Water	6020B	860760
180-181459-2	SW-1	Dissolved	Water	6020B	860757
180-181459-3	SW-1	Total Recoverable	Water	6020B	860760
180-181459-4	SW-1	Dissolved	Water	6020B	860757
180-181459-5	SW-2	Total Recoverable	Water	6020B	860760
180-181459-6	SW-2	Dissolved	Water	6020B	860757
180-181459-7	SW-2	Total Recoverable	Water	6020B	860760
180-181459-8	SW-2	Dissolved	Water	6020B	860757
180-181459-9	SW-3	Total Recoverable	Water	6020B	860760
180-181459-10	SW-3	Dissolved	Water	6020B	860757
180-181459-11	SW-3	Total Recoverable	Water	6020B	860760
180-181459-12	SW-3	Dissolved	Water	6020B	860757
180-181459-13	SW-4	Total Recoverable	Water	6020B	860760
180-181459-14	SW-4	Dissolved	Water	6020B	860757
180-181459-15	SW-5	Total Recoverable	Water	6020B	860760
180-181459-16	SW-5	Dissolved	Water	6020B	860757
180-181459-17	SW-5	Total Recoverable	Water	6020B	860760
180-181459-18	SW-5	Dissolved	Water	6020B	860757
180-181459-19	SW-6	Total Recoverable	Water	6020B	860760
180-181459-20	SW-6	Dissolved	Water	6020B	860757
180-181459-21	SW-6	Total Recoverable	Water	6020B	860760
180-181459-22	SW-6	Dissolved	Water	6020B	860757
180-181459-23	SW-9	Total Recoverable	Water	6020B	860760
180-181459-24	SW-9	Dissolved	Water	6020B	860757
180-181459-25	SW-9	Total Recoverable	Water	6020B	860760
180-181459-26	SW-9	Dissolved	Water	6020B	860757
180-181459-27	SW-10	Total Recoverable	Water	6020B	860760
180-181459-28	SW-10	Dissolved	Water	6020B	860757
180-181459-29	SW-11	Total Recoverable	Water	6020B	860760
180-181459-30	SW-11	Dissolved	Water	6020B	860757
180-181459-31	SW-12	Total Recoverable	Water	6020B	860760
180-181459-32	SW-12	Dissolved	Water	6020B	860757
180-181459-33	SW-13	Total Recoverable	Water	6020B	860760
180-181459-34	SW-13	Dissolved	Water	6020B	860757
180-181459-39	SW-16	Total Recoverable	Water	6020B	860760
180-181459-40	SW-16	Dissolved	Water	6020B	860757
180-181459-41	SW-17	Total Recoverable	Water	6020B	860760
180-181459-42	SW-17	Dissolved	Water	6020B	860757
180-181459-43	DUP-01	Total Recoverable	Water	6020B	860760
180-181459-44	DUP-01	Dissolved	Water	6020B	860757
MB 680-860757/1-A	Method Blank	Total Recoverable	Water	6020B	860757

Metals (Continued)

Analysis Batch: 861534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-860760/1-A	Method Blank	Total Recoverable	Water	6020B	860760
LCS 680-860757/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860757
LCS 680-860760/2-A	Lab Control Sample	Total Recoverable	Water	6020B	860760
180-181459-1 MS	SW-1	Total Recoverable	Water	6020B	860760
180-181459-1 MSD	SW-1	Total Recoverable	Water	6020B	860760
180-181459-2 MS	SW-1	Dissolved	Water	6020B	860757
180-181459-2 MSD	SW-1	Dissolved	Water	6020B	860757

Analysis Batch: 861703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total Recoverable	Water	6020B	861154
180-181459-37	SW-15	Total Recoverable	Water	6020B	861154
MB 680-861154/1-A	Method Blank	Total Recoverable	Water	6020B	861154
LCS 680-861154/2-A	Lab Control Sample	Total Recoverable	Water	6020B	861154

General Chemistry

Analysis Batch: 482182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-3	SW-1	Total/NA	Water	SM 2540C	
180-181459-7	SW-2	Total/NA	Water	SM 2540C	
180-181459-10	SW-3	Dissolved	Water	SM 2540C	
180-181459-12	SW-3	Dissolved	Water	SM 2540C	
180-181459-14	SW-4	Dissolved	Water	SM 2540C	
180-181459-18	SW-5	Dissolved	Water	SM 2540C	
180-181459-26	SW-9	Dissolved	Water	SM 2540C	
180-181459-31	SW-12	Total/NA	Water	SM 2540C	
180-181459-32	SW-12	Dissolved	Water	SM 2540C	
180-181459-33	SW-13	Total/NA	Water	SM 2540C	
180-181459-34	SW-13	Dissolved	Water	SM 2540C	
180-181459-39	SW-16	Total/NA	Water	SM 2540C	
180-181459-40	SW-16	Dissolved	Water	SM 2540C	
180-181459-41	SW-17	Total/NA	Water	SM 2540C	
180-181459-42	SW-17	Dissolved	Water	SM 2540C	
180-181459-44	DUP-01	Dissolved	Water	SM 2540C	
180-181459-45	DUP-02	Total/NA	Water	SM 2540C	
180-181459-46	DUP-02	Dissolved	Water	SM 2540C	
180-181459-48	FB-01	Total/NA	Water	SM 2540C	
180-181459-50	FB-02	Total/NA	Water	SM 2540C	
MB 180-482182/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482182/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-181459-48 DU	FB-01	Total/NA	Water	SM 2540C	
180-181459-50 DU	FB-02	Total/NA	Water	SM 2540C	

Analysis Batch: 482183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	SM 2540C	
180-181459-2	SW-1	Dissolved	Water	SM 2540C	
180-181459-4	SW-1	Dissolved	Water	SM 2540C	
180-181459-6	SW-2	Dissolved	Water	SM 2540C	
180-181459-9	SW-3	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 482183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-13	SW-4	Total/NA	Water	SM 2540C	
180-181459-16	SW-5	Dissolved	Water	SM 2540C	
180-181459-17	SW-5	Total/NA	Water	SM 2540C	
180-181459-20	SW-6	Dissolved	Water	SM 2540C	
180-181459-22	SW-6	Dissolved	Water	SM 2540C	
180-181459-23	SW-9	Total/NA	Water	SM 2540C	
180-181459-24	SW-9	Dissolved	Water	SM 2540C	
180-181459-25	SW-9	Total/NA	Water	SM 2540C	
180-181459-27	SW-10	Total/NA	Water	SM 2540C	
180-181459-28	SW-10	Dissolved	Water	SM 2540C	
180-181459-29	SW-11	Total/NA	Water	SM 2540C	
180-181459-30	SW-11	Dissolved	Water	SM 2540C	
180-181459-43	DUP-01	Total/NA	Water	SM 2540C	
180-181459-47	EB-01	Total/NA	Water	SM 2540C	
180-181459-49	EB-02	Total/NA	Water	SM 2540C	
MB 180-482183/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482183/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-181459-47 DU	EB-01	Total/NA	Water	SM 2540C	
180-181459-49 DU	EB-02	Total/NA	Water	SM 2540C	

Analysis Batch: 482193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-5	SW-2	Total/NA	Water	SM 2540C	
180-181459-8	SW-2	Dissolved	Water	SM 2540C	
180-181459-11	SW-3	Total/NA	Water	SM 2540C	
180-181459-15	SW-5	Total/NA	Water	SM 2540C	
180-181459-19	SW-6	Total/NA	Water	SM 2540C	
180-181459-21	SW-6	Total/NA	Water	SM 2540C	
MB 180-482193/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482193/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 482578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total/NA	Water	SM 2540C	
180-181459-36	SW-14	Dissolved	Water	SM 2540C	
180-181459-37	SW-15	Total/NA	Water	SM 2540C	
180-181459-38	SW-15	Dissolved	Water	SM 2540C	
MB 180-482578/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-482578/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 484130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	Field Sampling	
180-181459-2	SW-1	Total/NA	Water	Field Sampling	
180-181459-3	SW-1	Total/NA	Water	Field Sampling	
180-181459-4	SW-1	Total/NA	Water	Field Sampling	
180-181459-5	SW-2	Total/NA	Water	Field Sampling	
180-181459-6	SW-2	Total/NA	Water	Field Sampling	
180-181459-7	SW-2	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 484130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-8	SW-2	Total/NA	Water	Field Sampling	
180-181459-9	SW-3	Total/NA	Water	Field Sampling	
180-181459-10	SW-3	Total/NA	Water	Field Sampling	
180-181459-11	SW-3	Total/NA	Water	Field Sampling	
180-181459-12	SW-3	Total/NA	Water	Field Sampling	
180-181459-13	SW-4	Total/NA	Water	Field Sampling	
180-181459-14	SW-4	Total/NA	Water	Field Sampling	
180-181459-15	SW-5	Total/NA	Water	Field Sampling	
180-181459-16	SW-5	Total/NA	Water	Field Sampling	
180-181459-17	SW-5	Total/NA	Water	Field Sampling	
180-181459-18	SW-5	Total/NA	Water	Field Sampling	
180-181459-19	SW-6	Total/NA	Water	Field Sampling	
180-181459-20	SW-6	Total/NA	Water	Field Sampling	
180-181459-21	SW-6	Total/NA	Water	Field Sampling	
180-181459-22	SW-6	Total/NA	Water	Field Sampling	
180-181459-23	SW-9	Total/NA	Water	Field Sampling	
180-181459-24	SW-9	Total/NA	Water	Field Sampling	
180-181459-25	SW-9	Total/NA	Water	Field Sampling	
180-181459-26	SW-9	Total/NA	Water	Field Sampling	
180-181459-27	SW-10	Total/NA	Water	Field Sampling	
180-181459-28	SW-10	Total/NA	Water	Field Sampling	
180-181459-29	SW-11	Total/NA	Water	Field Sampling	
180-181459-30	SW-11	Total/NA	Water	Field Sampling	
180-181459-31	SW-12	Total/NA	Water	Field Sampling	
180-181459-32	SW-12	Total/NA	Water	Field Sampling	
180-181459-33	SW-13	Total/NA	Water	Field Sampling	
180-181459-34	SW-13	Total/NA	Water	Field Sampling	
180-181459-35	SW-14	Total/NA	Water	Field Sampling	
180-181459-36	SW-14	Total/NA	Water	Field Sampling	
180-181459-37	SW-15	Total/NA	Water	Field Sampling	
180-181459-38	SW-15	Total/NA	Water	Field Sampling	
180-181459-39	SW-16	Total/NA	Water	Field Sampling	
180-181459-40	SW-16	Total/NA	Water	Field Sampling	
180-181459-41	SW-17	Total/NA	Water	Field Sampling	
180-181459-42	SW-17	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Laura / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 5
Company: SCS				Job #:

Analysis Requested

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205.992.6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	10-15-24	1650	G	W	NO		X	X	X	X						5	Depth-1'
SW-1	10-15-24	1658	G	W	YES						X	X	X	X		5	Depth-1'
SW-1	10-15-24	1710	G	W	NO		X	X	X	X						5	Depth-7'
SW-1	10-15-24	1718	G	W	YES						X	X	X	X		5	Depth-7'
SW-2	10-15-24	1600	G	W	NO		X	X	X	X						5	Depth-1'
SW-2	10-15-24	1608	G	W	YES						X	X	X	X		5	Depth-1'
SW-2	10-15-24	1620	G	W	NO		X	X	X	X						5	Depth-7'
SW-2	10-15-24	1628	G	W	YES						X	X	X	X		5	Depth-7'
SW-3	10-15-24	1022	G	W	NO		X	X	X	X						5	Depth-1'
SW-3	10-15-24	1030	G	W	YES						X	X	X	X		5	Depth-1'
SW-3	10-15-24	1055	G	W	NO		X	X	X	X						5	Depth-4'

180-181459 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-16-24 0615	Company: PDX EAV.	Received by:	Date/Time: 10/17/24 0915	Company: EPHNG
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No .	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Richard Laura Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: 2 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	10-15-24	1106	G	W	YES						X	X	X	X		5	Depth-4'
SW-4	10-15-24	0909	G	W	NO		X	X	X	X						5	Depth-1.5"
SW-4	10-15-24	0920	G	W	YES						X	X	X	X		5	Depth-1.5"
SW-5	10-15-24	0831	G	W	NO		X	X	X	X						5	Depth-1'
SW-5	10-15-24	0848	G	W	YES						X	X	X	X		5	Depth-1'
SW-5	10-15-24	0905	G	W	NO		X	X	X	X						5	Depth-13'
SW-5	10-15-24	0913	G	W	YES						X	X	X	X		5	Depth-13'
SW-6	10-15-24	0940	G	W	NO		X	X	X	X						5	Depth-1'
SW-6	10-15-24	0952	G	W	YES						X	X	X	X		5	Depth-1'
SW-6	10-15-24	1003	G	W	NO		X	X	X	X						5	Depth-9.5"
SW-6	10-15-24	1017	G	W	YES						X	X	X	X		5	Depth-9.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	10/16/24 0615	EST EM	Received by:	10/17/24	GRHE
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

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Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirkland, Laura / TODD Hagendorfer / Noreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: 3 of 5
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-9	10-15-24	1040	G	W	NO		X	X	X	X						5	Depth-1'
SW-9	10-15-24	1052	G	W	YES						X	X	X	X		5	Depth-1'
SW-9	10-15-24	1107	G	W	NO		X	X	X	X						5	Depth-4'
SW-9	10-15-24	1115	G	W	YES						X	X	X	X		5	Depth-4'
SW-10	10-15-24	1150	G	W	NO		X	X	X	X						5	Depth-2'
SW-10	10-15-24	1159	G	W	YES						X	X	X	X		5	Depth-2'
SW-11	10-15-24	1226	G	W	NO		X	X	X	X						5	Depth-1'
SW-11	10-15-24	1237	G	W	YES						X	X	X	X		5	Depth-1'
SW-12	10-15-24	1254	G	W	NO		X	X	X	X						5	Depth-1'
SW-12	10-15-24	1301	G	W	YES						X	X	X	X		5	Depth-1'
SW-13	10-15-24	1212	G	W	NO		X	X	X	X						5	Depth-1.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-16-24 0615	Company: FSH GW.	Received by:	Date/Time: 10/17/2024 0915	Company: EPI-HNG
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirkland / Todd Hagenderfer / Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 4 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-13	10-15-24	1220	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-14	10-15-24	1313	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-14	10-15-24	1324	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-15	10-15-24	1350	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-15	10-15-24	1401	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-16	10-15-24	1426	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-16	10-15-24	1436	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-17	10-15-24	1525	G	W	NO		X	X	X	X						5	Depth 1'
SW-17	10-15-24	1539	G	W	YES						X	X	X	X		5	Depth 1'
DUP-01	10-15-24	1050	G	W	NO		X	X	X	X						5	Depth 2'
DUP-01	10-15-24	1059	G	W	YES						X	X	X	X		5	Depth 2'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		10-15-24 0615	ROTEM		10/17/24 0915	GHANG
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rockhorn Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: Rick Hagendorfer	E-Mail: shali.brown@eurofinset.com		Page: 5 of 5
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205.992 6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
DUP-02	10-15-24	1112	G	W		N		X	X	X	X						5	Depth-1.5"
DUP-02	10-15-24	1120	G	W		N						X	X	X	X		5	Depth-1.5"
EB-01	10-15-24		G	W		N		X	X	X	X						5	
FB-01	10-15-24	0754	G	W		N		X	X	X	X						5	
EB-02	10-15-24	1813	G	W		N		X	X	X	X						5	
FB-02	10-15-24	1804	G	W		N		X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10-15-24 0615	LOH ENV.		10/17/24 0915	ERTHG
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435-R43[illegible] EXP 05/25

Uncorrected temp 1.0 °C
Thermometer ID 24
CF -0.7
Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

8 of 15
MPS# 0263 2807 2062 7100
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

15238

Page 120 of 138

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435-R43[illegible] EXP 05/25

Uncorrected temp 1.4 °C
Thermometer ID 17
CF -0.1
Initials MC
PT-WI-SR-001 effective 11/8/18

FedEx Express

5 of 15
MPS# 0263 2807 2062 7073
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30
PRIORITY OVERNIGH

1523

180-181459 Waybill

11/12/2024 (Rev. 1)

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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

RT 198 1 10:30 A
FZ 197 7165 10.17

FedEx Express

14 of 15
MPS# 0007 0060 7165

THU - 17 OCT 10:30A

Part # 156297-435-ARRDB Exp 05/25

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 13 °C
Thermometer ID 17
CF 0.1 Initials MC
PT-WI-SR-001 effective 11/8/18

FedEx Express

10 of 15
0263 2807 2062 7121
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-435-ARRDB Exp 05/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: PO: DEPT:

Uncorrected temp +1.9 °C
Thermometer ID 17
CF -0.1 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

9 of 15
MPS# 0263 2807 2062 7110
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30
PRIORITY OVERNIGH

XS AGCA

1523
PA-US PI

Part # 156297-435 RRDB EXP 05/25

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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: PO: DEPT:

Uncorrected temp 1.6 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 15
MPS# 0263 2807 2062 7040
Mstr# 2807 2062 7030

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Part # 156297-435 RRDB EXP 05/25

J244024091001

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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435-ARIBB EXP 05/25

Uncorrected temp 2.1 °C
Thermometer ID 20
CF -0.7 Initials PMA
PT-WI-SR-001 effective 11/8/18

FedEx Express

4 of 15
MPS# 0263 2807 2062 7062

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435-ARIBB EXP 05/25

Uncorrected temp 3.2 °C
Thermometer ID 20
CF -0.7 Initials PMA
PT-WI-SR-001 effective 11/8/18

FedEx Express

7 of 15
MPS# 0263 2807 2062 7095
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

15238



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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156297-435 REV EXP 05/25

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

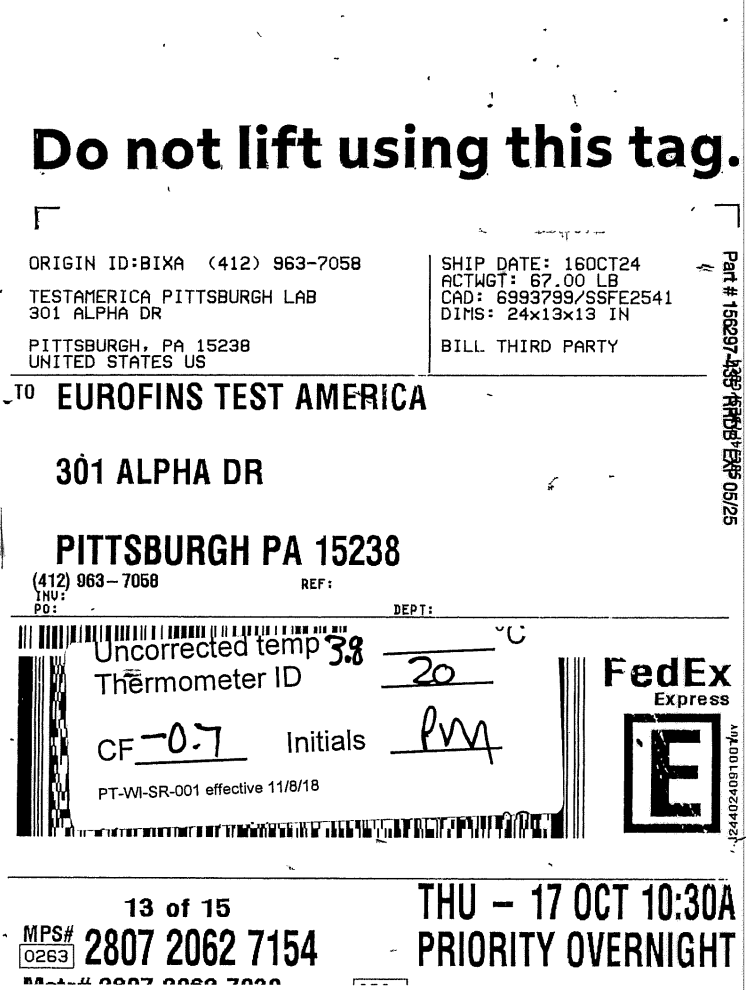
J244024091001uv

15 of 15
MPS# 0263 2807 2062 7176
Mstr# 2807 2062 7030 0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT



Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156297-435 REV EXP 05/25

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091001uv

13 of 15
MPS# 0263 2807 2062 7154

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 17
CF -0.1 Initials MC
PT-WI-SR-001 effective 11/8/18

FedEx Express

1 of 15
TRK# 0201 2807 2062 7030
MASTER
XS AGCA
THU - 17 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435-ARRB-ENH 05/25

Page 125 of 138

11/12/2024 (Rev. 1)

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.6 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 15
MPS# 0263 2807 2062 7084
Mstr# 2807 2062 7030
0201
XS AGCA
THU - 17 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

RT 198 1 A
10:30
FZ 197 7084
10.17

Part # 156297-435-ARRB-ENH 05/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 17
CF 0.1 Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091501UV

11 of 15
MPS# 2807 2062 7132
Mstr# 2807 2062 7030

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

0263
0201

XS AGCA

15238
PA-US PIT

RT 198 1 10:30 A
FZ 197 7132 10.17

Part # 156297-ASP-HUB-EXP-05/25

Page 126 of 128

11/12/2024 (Rev. 1)

ORIGIN ID:SAVA (912) 354-7858
COREY JOHNSON

5102 LAROCHE AVENUE

SAVANNAH, GA 31404
UNITED STATES US

SHIP DATE: 21OCT24
ACTWGT 10.00 LB
CAD: 259707236/INET4760

BILL SENDER

TO RECEIVING
EUROFINS PITTSBURG
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT

58C554FE6/C6C4

Uncorrected temp 18.0 °C
Thermometer ID 17
CF -0.1 Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

TUE - 22 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7794 0796 9337

15238
PIT

XS AGCA

PA-US

After printing this label
1. Use the Print
2. Fold the print
3. Place label i

Warning Use
additional billin
Use of this sys
be responsible
unless you de
Service Guide
attorney's fees
authorized de
precious meta
FedEx Servic

180-181459 Waybill

final label for shipping Using a photocopy of this label for shipping purposes is fraudulent and could result in
th the cancellation of your FedEx account number
r agreement to the service conditions in the current FedEx Service Guide available on fedex com.FedEx will not
cess of $100 per package whether the result of loss, damage delay non-delivery misdelivery or misinformation
pay an additional charge document your actual loss and file a timely claim Limitations found in the current FedEx
recover from FedEx for any loss, including intrinsic value of the package loss of sales income interest, profit,
orms of damage whether direct, incidental,consequential or special is limited to the greater of $100 or the
ery cannot exceed actual documented loss Maximum for items of extraordinary value is $1 000 e g Jewelry
iments and other items listed in our ServiceGuide Written claims must be filed within strict time limits see current

1/1

https://www.fedex.com/shipping/shipmentConfirmationAction handle?method=doContinue

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-1 (180-181459-1)	10/15/24	16:50 Eastern	G	Water			X	X			2	
SW-1 (180-181459-2)	10/15/24	16:58 Eastern	G	Water					X	X	2	
SW-1 (180-181459-3)	10/15/24	17:10 Eastern	G	Water			X	X			2	
SW-1 (180-181459-4)	10/15/24	17:18 Eastern	G	Water					X	X	2	
SW-2 (180-181459-5)	10/15/24	16:00 Eastern	G	Water			X	X			2	
SW-2 (180-181459-6)	10/15/24	16:08 Eastern	G	Water					X	X	2	
SW-2 (180-181459-7)	10/15/24	16:20 Eastern	G	Water			X	X			2	
SW-2 (180-181459-8)	10/15/24	16:28 Eastern	G	Water					X	X	2	
SW-3 (180-181459-9)	10/15/24	10:22 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JMcm	10-21-24 17:00	EPMNE		10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 11.9 / 11.9

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-3 (180-181459-10)	10/15/24	10:30 Eastern	G	Water					X	X	2	
SW-3 (180-181459-11)	10/15/24	10:55 Eastern	G	Water			X	X			2	
SW-3 (180-181459-12)	10/15/24	11:06 Eastern	G	Water					X	X	2	
SW-4 (180-181459-13)	10/15/24	09:09 Eastern	G	Water			X	X			2	
SW-4 (180-181459-14)	10/15/24	09:20 Eastern	G	Water					X	X	2	
SW-5 (180-181459-15)	10/15/24	08:31 Eastern	G	Water			X	X			2	
SW-5 (180-181459-16)	10/15/24	08:48 Eastern	G	Water					X	X	2	
SW-5 (180-181459-17)	10/15/24	09:05 Eastern	G	Water			X	X			2	
SW-5 (180-181459-18)	10/15/24	09:13 Eastern	G	Water					X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JMun	10-22-24 17:00	EPTINE		10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		11.9/11.9

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD_Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-6 (180-181459-19)	10/15/24	09:40 Eastern	G	Water			X	X			2	
SW-6 (180-181459-20)	10/15/24	09:52 Eastern	G	Water					X	X	2	
SW-6 (180-181459-21)	10/15/24	10:03 Eastern	G	Water			X	X			2	
SW-6 (180-181459-22)	10/15/24	10:17 Eastern	G	Water					X	X	2	
SW-9 (180-181459-23)	10/15/24	10:40 Eastern	G	Water			X	X			2	
SW-9 (180-181459-24)	10/15/24	10:52 Eastern	G	Water					X	X	2	
SW-9 (180-181459-25)	10/15/24	11:07 Eastern	G	Water			X	X			2	
SW-9 (180-181459-26)	10/15/24	11:15 Eastern	G	Water					X	X	2	
SW-10 (180-181459-27)	10/15/24	11:50 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-21-24 17:00	EPTNE	[signature]	10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 11.9 / 11.9

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3006A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-10 (180-181459-28)	10/15/24	11:59 Eastern	G	Water					X	X	2	
SW-11 (180-181459-29)	10/15/24	12:26 Eastern	G	Water			X	X			2	
SW-11 (180-181459-30)	10/15/24	12:37 Eastern	G	Water					X	X	2	
SW-12 (180-181459-31)	10/15/24	12:54 Eastern	G	Water			X	X			2	
SW-12 (180-181459-32)	10/15/24	13:01 Eastern	G	Water					X	X	2	
SW-13 (180-181459-33)	10/15/24	12:12 Eastern	G	Water			X	X			2	
SW-13 (180-181459-34)	10/15/24	12:20 Eastern	G	Water					X	X	2	
SW-16 (180-181459-39)	10/15/24	14:26 Eastern	G	Water			X	X			2	
SW-16 (180-181459-40)	10/15/24	14:36 Eastern	G	Water					X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JMun	10-21-24 17:00	EPITME		10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		11.9/11.9

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 5 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-17 (180-181459-41)	10/15/24	15:25 Eastern	G	Water			X	X			2	
SW-17 (180-181459-42)	10/15/24	15:39 Eastern	G	Water					X	X	2	
DUP-01 (180-181459-43)	10/15/24	10:50 Eastern	G	Water			X	X			2	
DUP-01 (180-181459-44)	10/15/24	10:59 Eastern	G	Water					X	X	2	
DUP-02 (180-181459-45)	10/15/24	11:12 Eastern	G	Water			X	X			2	
DUP-02 (180-181459-46)	10/15/24	11:20 Eastern	G	Water					X	X	2	
EB-01 (180-181459-47)	10/15/24	Eastern	G	Water			X	X			2	
FB-01 (180-181459-48)	10/15/24	07:54 Eastern	G	Water			X	X			2	
EB-02 (180-181459-49)	10/15/24	18:13 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-21-24 1100	EPTINK	[signature]	10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 11.9 / 11.9

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Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526432.6
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 6 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note):		Job #: 180-181459-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
FB-02 (180-181459-50)	10/15/24	18:04 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-21-24 1700	EDITNE	[signature]	10/22/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 11.9 / 11.9

Eurofins Pittsburgh
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Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526629.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-181459-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-14 (180-181459-35)	10/15/24	13:13 Eastern	G	Water			X	X			2	
SW-14 (180-181459-36)	10/15/24	13:24 Eastern	G	Water					X	X	2	
SW-15 (180-181459-37)	10/15/24	13:50 Eastern	G	Water			X	X			2	
SW-15 (180-181459-38)	10/15/24	14:01 Eastern	G	Water					X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/23/24 1700	EPITNE	[signature]	10/24/24 0943	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1-9/1.9

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-1

Login Number: 181459
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-1

Login Number: 181459
List Number: 4
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-1

Login Number: 181459
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 10/22/24 04:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-1

Login Number: 181459
List Number: 5
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 10/24/24 02:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
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JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-181459-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Job ID: 180-181459-2 — Eurofins Pittsburgh

Job Narrative
180-181459-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/17/2024 9:15 AM and 10/22/2024 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 0.3°C, 0.9°C, 1.2°C, 1.3°C, 1.4°C, 1.8°C, 1.9°C, 2.1°C, 2.3°C, 2.7°C, 2.9°C, 3.1°C and 17.9°C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received: SW-14 (180-181459-35), SW-14 (180-181459-36), SW-15 (180-181459-37) and SW-15 (180-181459-38).The samples were received on 10/22/24.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 Prep Batch 160-684913:
The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences noted in the initial prep (yellow discoloration): SW-1 (180-181459-2), SW-1 (180-181459-3), SW-1 (180-181459-4), SW-2 (180-181459-5), SW-2 (180-181459-6), SW-2 (180-181459-7), SW-2 (180-181459-8), SW-3 (180-181459-9), SW-4 (180-181459-13) and SW-4 (180-181459-14). Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Ra-228 prep batch 160-684909:
The detection goal was not met for the following sample(s). The samples and batch QC were prepped at full volume. Matrix interferences are suspected because the method blank achieved the detection goal demonstrating acceptable sample preparation and instrument performance: FB-02 (180-181459-50) . Analytical results are reported with the detection limit achieved.

Method 9320_Ra228 - Dissolved: Radium-228 Prep Batch 160-684913:
The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences noted in the initial prep (yellow discoloration): SW-1 (180-181459-2), SW-1 (180-181459-3), SW-1 (180-181459-4), SW-2 (180-181459-5), SW-2 (180-181459-6), SW-2 (180-181459-7), SW-2 (180-181459-8), SW-3 (180-181459-9), SW-4 (180-181459-13) and SW-4 (180-181459-14). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-181459-1	SW-1	Water	10/15/24 16:50	10/17/24 09:15
180-181459-2	SW-1	Water	10/15/24 16:58	10/17/24 09:15
180-181459-3	SW-1	Water	10/15/24 17:10	10/17/24 09:15
180-181459-4	SW-1	Water	10/15/24 17:18	10/17/24 09:15
180-181459-5	SW-2	Water	10/15/24 16:00	10/17/24 09:15
180-181459-6	SW-2	Water	10/15/24 16:08	10/17/24 09:15
180-181459-7	SW-2	Water	10/15/24 16:20	10/17/24 09:15
180-181459-8	SW-2	Water	10/15/24 16:28	10/17/24 09:15
180-181459-9	SW-3	Water	10/15/24 10:22	10/17/24 09:15
180-181459-10	SW-3	Water	10/15/24 10:30	10/17/24 09:15
180-181459-11	SW-3	Water	10/15/24 10:55	10/17/24 09:15
180-181459-12	SW-3	Water	10/15/24 11:06	10/17/24 09:15
180-181459-13	SW-4	Water	10/15/24 09:09	10/17/24 09:15
180-181459-14	SW-4	Water	10/15/24 09:20	10/17/24 09:15
180-181459-15	SW-5	Water	10/15/24 08:31	10/17/24 09:15
180-181459-16	SW-5	Water	10/15/24 08:48	10/17/24 09:15
180-181459-17	SW-5	Water	10/15/24 09:05	10/17/24 09:15
180-181459-18	SW-5	Water	10/15/24 09:13	10/17/24 09:15
180-181459-19	SW-6	Water	10/15/24 09:40	10/17/24 09:15
180-181459-20	SW-6	Water	10/15/24 09:52	10/17/24 09:15
180-181459-21	SW-6	Water	10/15/24 10:03	10/17/24 09:15
180-181459-22	SW-6	Water	10/15/24 10:17	10/17/24 09:15
180-181459-23	SW-9	Water	10/15/24 10:40	10/17/24 09:15
180-181459-24	SW-9	Water	10/15/24 10:52	10/17/24 09:15
180-181459-25	SW-9	Water	10/15/24 11:07	10/17/24 09:15
180-181459-26	SW-9	Water	10/15/24 11:15	10/17/24 09:15
180-181459-27	SW-10	Water	10/15/24 11:50	10/17/24 09:15
180-181459-28	SW-10	Water	10/15/24 11:59	10/17/24 09:15
180-181459-29	SW-11	Water	10/15/24 12:26	10/17/24 09:15
180-181459-30	SW-11	Water	10/15/24 12:37	10/17/24 09:15
180-181459-31	SW-12	Water	10/15/24 12:54	10/17/24 09:15
180-181459-32	SW-12	Water	10/15/24 13:01	10/17/24 09:15
180-181459-33	SW-13	Water	10/15/24 12:12	10/17/24 09:15
180-181459-34	SW-13	Water	10/15/24 12:20	10/17/24 09:15
180-181459-35	SW-14	Water	10/15/24 13:13	10/22/24 09:15
180-181459-36	SW-14	Water	10/15/24 13:24	10/22/24 09:15
180-181459-37	SW-15	Water	10/15/24 13:50	10/22/24 09:15
180-181459-38	SW-15	Water	10/15/24 14:01	10/22/24 09:15
180-181459-39	SW-16	Water	10/15/24 14:26	10/17/24 09:15
180-181459-40	SW-16	Water	10/15/24 14:36	10/17/24 09:15
180-181459-41	SW-17	Water	10/15/24 15:25	10/17/24 09:15
180-181459-42	SW-17	Water	10/15/24 15:39	10/17/24 09:15
180-181459-43	DUP-01	Water	10/15/24 10:50	10/17/24 09:15
180-181459-44	DUP-01	Water	10/15/24 10:59	10/17/24 09:15
180-181459-45	DUP-02	Water	10/15/24 11:12	10/17/24 09:15
180-181459-46	DUP-02	Water	10/15/24 11:20	10/17/24 09:15
180-181459-47	EB-01	Water	10/15/24 00:00	10/17/24 09:15
180-181459-48	FB-01	Water	10/15/24 07:54	10/17/24 09:15
180-181459-49	EB-02	Water	10/15/24 18:13	10/17/24 09:15
180-181459-50	FB-02	Water	10/15/24 18:04	10/17/24 09:15

Method Summary

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Ra226_Ra228 (D)	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-1
Date Collected: 10/15/24 16:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.30 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			745.30 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688056	11/12/24 13:18	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 10/15/24 16:58
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			752.68 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			752.68 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688056	11/12/24 13:19	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 10/15/24 17:10
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			763.21 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			763.21 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688056	11/12/24 13:18	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 10/15/24 17:18
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			738.13 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			688682	11/15/24 22:21	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-1
Date Collected: 10/15/24 17:18
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			738.13 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688056	11/12/24 13:20	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 10/15/24 16:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			760.39 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			760.39 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688056	11/12/24 13:19	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 10/15/24 16:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			735.53 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 10:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			735.53 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688056	11/12/24 13:17	CMM	EET SL
	Instrument ID: GFPCPROTEAN									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 10/15/24 16:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			738.46 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			738.46 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688057	11/12/24 14:17	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-2
Date Collected: 10/15/24 16:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL

Client Sample ID: SW-2
Date Collected: 10/15/24 16:28
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			761.72 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			761.72 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688057	11/12/24 14:48	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 10/15/24 10:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			744.55 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			744.55 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688057	11/12/24 14:49	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 10/15/24 10:30
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			751.60 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			751.60 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688158	11/12/24 14:22	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-3
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			774.02 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			774.02 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688158	11/12/24 14:22	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 10/15/24 11:06
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			759.49 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			759.49 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688158	11/12/24 14:22	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 10/15/24 09:09
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			761.63 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			761.63 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688158	11/12/24 14:23	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 10/15/24 09:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			741.93 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-4
Date Collected: 10/15/24 09:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			741.93 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Dissolved	Analysis	9320		1			688158	11/12/24 14:23	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689243	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 10/15/24 08:31
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			981.58 mL	1.0 g	684912	10/24/24 08:23	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 10:14	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			981.58 mL	1.0 g	684913	10/24/24 08:25	BCE	EET SL
Total/NA	Analysis	9320		1			688158	11/12/24 14:23	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689244	11/18/24 16:58	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 10/15/24 08:48
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			988.42 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:01	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			988.42 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:15	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 10/15/24 09:05
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			748.28 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 13:01	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			748.28 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:15	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-5
Date Collected: 10/15/24 09:05
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL

Client Sample ID: SW-5
Date Collected: 10/15/24 09:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			752.16 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:01	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			752.16 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:15	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 10/15/24 09:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			758.37 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 13:01	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			758.37 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:15	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 10/15/24 09:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			732.80 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			732.80 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-6
Date Collected: 10/15/24 10:03
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			729.12 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			729.12 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 10/15/24 10:17
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			756.88 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			756.88 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/15/24 10:40
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			743.32 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			743.32 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/15/24 10:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			758.48 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-9
Date Collected: 10/15/24 10:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			758.48 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/15/24 11:07
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			761.96 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			761.96 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			742.11 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 13:02	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			742.11 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Date Collected: 10/15/24 11:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.16 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			750.16 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-10
Lab Sample ID: 180-181459-27
Date Collected: 10/15/24 11:50
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL

Client Sample ID: SW-10
Lab Sample ID: 180-181459-28
Date Collected: 10/15/24 11:59
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			740.56 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			740.56 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Lab Sample ID: 180-181459-29
Date Collected: 10/15/24 12:26
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			763.97 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			763.97 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Lab Sample ID: 180-181459-30
Date Collected: 10/15/24 12:37
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			746.65 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			746.65 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-12
Lab Sample ID: 180-181459-31
Date Collected: 10/15/24 12:54
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			737.44 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			737.44 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688341	11/13/24 12:16	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Lab Sample ID: 180-181459-32
Date Collected: 10/15/24 13:01
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			738.57 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			738.57 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Lab Sample ID: 180-181459-33
Date Collected: 10/15/24 12:12
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.61 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			745.61 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Lab Sample ID: 180-181459-34
Date Collected: 10/15/24 12:20
Matrix: Water
Date Received: 10/17/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			735.86 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Dissolved	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-13

Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			735.86 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689241	11/18/24 16:53	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Date Collected: 10/15/24 13:13
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			761.82 mL	1.0 g	685400	10/28/24 08:34	BCE	EET SL
Total/NA	Analysis	9315		1			689264	11/19/24 13:58	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			761.82 mL	1.0 g	685405	10/28/24 08:46	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 11:52	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			689467	11/19/24 19:00	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Date Collected: 10/15/24 13:24
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			751.64 mL	1.0 g	685400	10/28/24 08:34	BCE	EET SL
Dissolved	Analysis	9315		1			689264	11/19/24 13:58	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			751.64 mL	1.0 g	685405	10/28/24 08:46	BCE	EET SL
Dissolved	Analysis	9320		1			688561	11/14/24 11:52	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Date Collected: 10/15/24 13:50
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			739.57 mL	1.0 g	685400	10/28/24 08:34	BCE	EET SL
Total/NA	Analysis	9315		1			689264	11/19/24 13:58	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			739.57 mL	1.0 g	685405	10/28/24 08:46	BCE	EET SL
Total/NA	Analysis	9320		1			688561	11/14/24 11:52	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-15
Date Collected: 10/15/24 13:50
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689467	11/19/24 19:00	EMH	EET SL

Client Sample ID: SW-15
Date Collected: 10/15/24 14:01
Date Received: 10/22/24 09:15

Lab Sample ID: 180-181459-38
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			737.72 mL	1.0 g	685400	10/28/24 08:34	BCE	EET SL
Dissolved	Analysis	9315		1			689264	11/19/24 13:58	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			737.72 mL	1.0 g	685405	10/28/24 08:46	BCE	EET SL
Dissolved	Analysis	9320		1			688561	11/14/24 11:52	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 10/15/24 14:26
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.90 mL	1.0 g	684910	10/24/24 08:19	BCE	EET SL
Total/NA	Analysis	9315		1			689002	11/16/24 15:09	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			752.90 mL	1.0 g	684911	10/24/24 08:22	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:14	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689239	11/18/24 16:52	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 10/15/24 14:36
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			749.55 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Dissolved	Analysis	9315		1			688683	11/15/24 20:11	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			749.55 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 10/15/24 15:25
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			764.16 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 20:11	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			764.16 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 10/15/24 15:39
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-42
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			736.31 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Dissolved	Analysis	9315		1			688683	11/15/24 20:11	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			736.31 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 10/15/24 10:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			763.37 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:09	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			763.37 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 10/15/24 10:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			736.43 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Dissolved	Analysis	9315		1			688683	11/15/24 22:09	SWS	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: DUP-01
Date Collected: 10/15/24 10:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			736.43 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 10/15/24 11:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			742.98 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:09	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			742.98 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 10/15/24 11:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-46
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			747.38 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Dissolved	Analysis	9315		1			688683	11/15/24 22:10	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			747.38 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Dissolved	Analysis	9320		1			688342	11/13/24 12:15	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			689466	11/19/24 18:54	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 10/15/24 00:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.64 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:10	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1002.64 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688342	11/13/24 12:16	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: EB-01

Date Collected: 10/15/24 00:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-47

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL

Client Sample ID: FB-01

Date Collected: 10/15/24 07:54
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1015.14 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:10	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1015.14 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688234	11/13/24 13:23	SCB	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Date Collected: 10/15/24 18:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1028.54 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:10	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1028.54 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688234	11/13/24 13:24	SCB	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Date Collected: 10/15/24 18:04
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.26 mL	1.0 g	684908	10/24/24 08:15	BCE	EET SL
Total/NA	Analysis	9315		1			688683	11/15/24 22:10	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.26 mL	1.0 g	684909	10/24/24 08:17	BCE	EET SL
Total/NA	Analysis	9320		1			688234	11/13/24 13:24	SCB	EET SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			689181	11/18/24 13:27	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Job ID: 180-181459-2
Project/Site: Plant Watson Ash Pond Surfacewater

Analyst References:

Lab: EET SL

Batch Type: Prep

BCE = Benjamin Celeslie

Batch Type: Analysis

CMM = Chelsea Mazariegos
EMH = Elizabeth Hoerchler
FLC = Fernando Cruz
SCB = Sarah Bernsen
SWS = Seth Stubblefield

Client Sample ID: SW-1

Date Collected: 10/15/24 16:50
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.157	U	0.138	0.139	1.00	0.207	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.17**		0.680	0.688	1.00	0.985	pCi/L	10/24/24 08:25	11/12/24 13:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.33**		0.694	0.702	5.00	0.985	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-1

Date Collected: 10/15/24 16:58
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177	U	0.169	0.170	1.00	0.264	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.01	U G	0.789	0.795	1.00	1.23	pCi/L	10/24/24 08:25	11/12/24 13:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:19*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:19*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.19	U	0.807	0.813	5.00	1.23	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-1

Date Collected: 10/15/24 17:10
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.282**		0.153	0.155	1.00	0.188	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.780	U G	0.704	0.708	1.00	1.12	pCi/L	10/24/24 08:25	11/12/24 13:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.06	U	0.720	0.725	5.00	1.12	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-1
Lab Sample ID: 180-181459-4

Date Collected: 10/15/24 17:18
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.221	U	0.189	0.190	1.00	0.289	pCi/L	10/24/24 08:23	11/15/24 22:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:23*	*11/15/24 22:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.671	U G	0.716	0.718	1.00	1.16	pCi/L	10/24/24 08:25	11/12/24 13:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:20*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:20*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.891	U	0.741	0.743	5.00	1.16	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-2

Date Collected: 10/15/24 16:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123	U	0.128	0.128	1.00	0.202	pCi/L	10/24/24 08:23	11/16/24 10:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02	U G	0.766	0.772	1.00	1.18	pCi/L	10/24/24 08:25	11/12/24 13:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:19*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.14	U	0.777	0.783	5.00	1.18	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-2

Date Collected: 10/15/24 16:08
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.159	U	0.151	0.152	1.00	0.233	pCi/L	10/24/24 08:23	11/16/24 10:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.817	U G	1.03	1.03	1.00	1.70	pCi/L	10/24/24 08:25	11/12/24 13:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:17*	*1*
Y Carrier	*60.2*		*30 - 110*	*10/24/24 08:25*	*11/12/24 13:17*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.977	U	1.04	1.04	5.00	1.70	pCi/L		11/18/24 16:58	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-2

Date Collected: 10/15/24 16:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0676	U	0.132	0.132	1.00	0.235	pCi/L	10/24/24 08:23	11/16/24 10:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.54**	**G**	1.01	1.04	1.00	1.34	pCi/L	10/24/24 08:25	11/12/24 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:17*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**2.61**		1.02	1.05	5.00	1.34	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-2

Date Collected: 10/15/24 16:28
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0944	U	0.140	0.140	1.00	0.239	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.723	U G	0.787	0.790	1.00	1.28	pCi/L	10/24/24 08:25	11/12/24 14:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:48*	*1*
Y Carrier	*71.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:48*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.818	U	0.799	0.802	5.00	1.28	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-3

Date Collected: 10/15/24 10:22
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.199**		0.142	0.143	1.00	0.197	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.353	U G	0.680	0.681	1.00	1.18	pCi/L	10/24/24 08:25	11/12/24 14:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:49*	*1*
Y Carrier	*77.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:49*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.553	U	0.695	0.696	5.00	1.18	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-3

Date Collected: 10/15/24 10:30
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.184		0.132	0.133	1.00	0.184	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.626	0.634	1.00	0.907	pCi/L	10/24/24 08:25	11/12/24 14:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.25		0.640	0.648	5.00	0.907	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-3
Lab Sample ID: 180-181459-11
Date Collected: 10/15/24 10:55
Matrix: Water
Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.118	0.119	1.00	0.178	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0195	U	0.447	0.447	1.00	0.846	pCi/L	10/24/24 08:25	11/12/24 14:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.150	U	0.462	0.463	5.00	0.846	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-3

Date Collected: 10/15/24 11:06
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.166	U	0.128	0.129	1.00	0.184	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.625	U	0.589	0.592	1.00	0.942	pCi/L	10/24/24 08:25	11/12/24 14:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:22*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.791	U	0.603	0.606	5.00	0.942	pCi/L		11/18/24 16:58	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-4

Date Collected: 10/15/24 09:09
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.459**		0.214	0.218	1.00	0.262	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.784	U G	0.783	0.787	1.00	1.26	pCi/L	10/24/24 08:25	11/12/24 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*
Y Carrier	*72.5*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.24	U	0.812	0.817	5.00	1.26	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-4

Date Collected: 10/15/24 09:20
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.269**		0.151	0.153	1.00	0.188	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.484	U G	0.761	0.762	1.00	1.29	pCi/L	10/24/24 08:25	11/12/24 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.753	U	0.776	0.777	5.00	1.29	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-5
Lab Sample ID: 180-181459-15

Date Collected: 10/15/24 08:31
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.208		0.129	0.130	1.00	0.174	pCi/L	10/24/24 08:23	11/16/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*10/24/24 08:23*	*11/16/24 10:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.562	0.571	1.00	0.818	pCi/L	10/24/24 08:25	11/12/24 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*
Y Carrier	*87.1*		*30 - 110*	*10/24/24 08:25*	*11/12/24 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.27		0.577	0.586	5.00	0.818	pCi/L		11/18/24 16:58	1

Client Sample ID: SW-5
Lab Sample ID: 180-181459-16

Date Collected: 10/15/24 08:48
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.121	0.121	1.00	0.192	pCi/L	10/24/24 08:19	11/16/24 13:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.404	U	0.424	0.426	1.00	0.688	pCi/L	10/24/24 08:22	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*
Y Carrier	*78.1*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.520	U	0.441	0.443	5.00	0.688	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-5
Lab Sample ID: 180-181459-17

Date Collected: 10/15/24 09:05
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.268		0.179	0.180	1.00	0.251	pCi/L	10/24/24 08:19	11/16/24 13:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0418	U	0.407	0.407	1.00	0.769	pCi/L	10/24/24 08:22	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*
Y Carrier	*86.7*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.226	U	0.445	0.445	5.00	0.769	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-5

Date Collected: 10/15/24 09:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-18

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.264**		0.164	0.166	1.00	0.214	pCi/L	10/24/24 08:19	11/16/24 13:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.581	U	0.517	0.520	1.00	0.817	pCi/L	10/24/24 08:22	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.845**		0.542	0.546	5.00	0.817	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-6
Lab Sample ID: 180-181459-19

Date Collected: 10/15/24 09:40
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.246**		0.154	0.155	1.00	0.201	pCi/L	10/24/24 08:19	11/16/24 13:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.461	U	0.398	0.401	1.00	0.623	pCi/L	10/24/24 08:22	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*
Y Carrier	*89.0*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.707**		0.427	0.430	5.00	0.623	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-6

Date Collected: 10/15/24 09:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-20

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.161	U	0.152	0.153	1.00	0.234	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.605	U	0.539	0.542	1.00	0.849	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*75.5*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.766	U	0.560	0.563	5.00	0.849	pCi/L		11/18/24 16:53	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: SW-6

Date Collected: 10/15/24 10:03
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-21

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.240	U	0.190	0.191	1.00	0.283	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.570	U	0.487	0.490	1.00	0.762	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.810**		0.523	0.526	5.00	0.762	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-6
Lab Sample ID: 180-181459-22

Date Collected: 10/15/24 10:17
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.243**		0.153	0.155	1.00	0.201	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.388	U	0.407	0.408	1.00	0.657	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*85.6*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.631	U	0.435	0.436	5.00	0.657	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-9
Lab Sample ID: 180-181459-23

Date Collected: 10/15/24 10:40
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.159	0.159	1.00	0.273	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.27**		0.552	0.564	1.00	0.736	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*89.7*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.37**		0.574	0.586	5.00	0.736	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-9

Date Collected: 10/15/24 10:52
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-24

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.319**		0.161	0.163	1.00	0.188	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.411	U	0.419	0.420	1.00	0.676	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*89.0*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.730**		0.449	0.451	5.00	0.676	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-9
Lab Sample ID: 180-181459-25

Date Collected: 10/15/24 11:07
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.229	U	0.168	0.169	1.00	0.241	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.378	U	0.405	0.407	1.00	0.657	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*87.1*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.607	U	0.438	0.441	5.00	0.657	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-9
Lab Sample ID: 180-181459-26

Date Collected: 10/15/24 11:15
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.339		0.227	0.229	1.00	0.324	pCi/L	10/24/24 08:19	11/16/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.0*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29		0.611	0.622	1.00	0.811	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.0*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.63		0.652	0.663	5.00	0.811	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-10
Lab Sample ID: 180-181459-27

Date Collected: 10/15/24 11:50
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.426		0.198	0.201	1.00	0.226	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.191	U	0.512	0.512	1.00	0.903	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.617	U	0.549	0.550	5.00	0.903	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-10
Lab Sample ID: 180-181459-28

Date Collected: 10/15/24 11:59
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.107	U	0.136	0.136	1.00	0.225	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.32**		0.573	0.586	1.00	0.749	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.42**		0.589	0.602	5.00	0.749	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-11
Lab Sample ID: 180-181459-29

Date Collected: 10/15/24 12:26
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.180	U	0.161	0.162	1.00	0.246	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.286	U	0.545	0.546	1.00	0.937	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.6*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.466	U	0.568	0.570	5.00	0.937	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-11

Date Collected: 10/15/24 12:37
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-30

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160	U	0.159	0.159	1.00	0.250	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.08**		0.482	0.492	1.00	0.627	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*89.7*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.24**		0.508	0.517	5.00	0.627	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-12
Lab Sample ID: 180-181459-31

Date Collected: 10/15/24 12:54
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.154	U	0.142	0.142	1.00	0.214	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.441	U	0.567	0.568	1.00	0.942	pCi/L	10/24/24 08:22	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*
Y Carrier	*86.7*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.595	U	0.585	0.585	5.00	0.942	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-12
Lab Sample ID: 180-181459-32

Date Collected: 10/15/24 13:01
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.206**		0.148	0.150	1.00	0.206	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0578	U	0.406	0.406	1.00	0.741	pCi/L	10/24/24 08:22	11/13/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*
Y Carrier	*85.2*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.264	U	0.432	0.433	5.00	0.741	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-13

Date Collected: 10/15/24 12:12
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-33

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.192	U	0.152	0.153	1.00	0.220	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.579	U	0.484	0.487	1.00	0.757	pCi/L	10/24/24 08:22	11/13/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*
Y Carrier	*88.2*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.771**		0.507	0.510	5.00	0.757	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-13
Lab Sample ID: 180-181459-34

Date Collected: 10/15/24 12:20
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.418**		0.193	0.197	1.00	0.220	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.417	U	0.482	0.483	1.00	0.792	pCi/L	10/24/24 08:22	11/13/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*
Y Carrier	*86.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.835**		0.519	0.522	5.00	0.792	pCi/L		11/18/24 16:53	1

Client Sample ID: SW-14
Lab Sample ID: 180-181459-35

Date Collected: 10/15/24 13:13
Matrix: Water

Date Received: 10/22/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.254		0.147	0.148	1.00	0.186	pCi/L	10/28/24 08:34	11/19/24 13:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/28/24 08:34*	*11/19/24 13:58*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.614	0.622	1.00	0.883	pCi/L	10/28/24 08:46	11/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*
Y Carrier	*77.4*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.34		0.631	0.639	5.00	0.883	pCi/L		11/19/24 19:00	1

Client Sample ID: SW-14
Lab Sample ID: 180-181459-36

Date Collected: 10/15/24 13:24
Matrix: Water

Date Received: 10/22/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.234		0.141	0.143	1.00	0.184	pCi/L	10/28/24 08:34	11/19/24 13:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/28/24 08:34*	*11/19/24 13:58*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.556	0.565	1.00	0.775	pCi/L	10/28/24 08:46	11/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.28		0.574	0.583	5.00	0.775	pCi/L		11/19/24 18:54	1

Client Sample ID: SW-15
Lab Sample ID: 180-181459-37

Date Collected: 10/15/24 13:50
Matrix: Water

Date Received: 10/22/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.137	0.139	1.00	0.164	pCi/L	10/28/24 08:34	11/19/24 13:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*10/28/24 08:34*	*11/19/24 13:58*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.933		0.566	0.573	1.00	0.834	pCi/L	10/28/24 08:46	11/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.19		0.582	0.590	5.00	0.834	pCi/L		11/19/24 19:00	1

Client Sample ID: SW-15
Lab Sample ID: 180-181459-38

Date Collected: 10/15/24 14:01
Matrix: Water

Date Received: 10/22/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.243		0.131	0.133	1.00	0.157	pCi/L	10/28/24 08:34	11/19/24 13:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/28/24 08:34*	*11/19/24 13:58*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.27		0.541	0.554	1.00	0.703	pCi/L	10/28/24 08:46	11/14/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*
Y Carrier	*79.3*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.51		0.557	0.570	5.00	0.703	pCi/L		11/19/24 18:54	1

Client Sample ID: SW-16
Lab Sample ID: 180-181459-39

Date Collected: 10/15/24 14:26
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.420**		0.224	0.227	1.00	0.290	pCi/L	10/24/24 08:19	11/16/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*10/24/24 08:19*	*11/16/24 15:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.356	U	0.435	0.436	1.00	0.720	pCi/L	10/24/24 08:22	11/13/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:14*	*1*
Y Carrier	*92.3*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.776**		0.489	0.492	5.00	0.720	pCi/L		11/18/24 16:52	1

Client Sample ID: SW-16
Lab Sample ID: 180-181459-40

Date Collected: 10/15/24 14:36
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.626**		0.251	0.257	1.00	0.268	pCi/L	10/24/24 08:15	11/15/24 20:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*10/24/24 08:15*	*11/15/24 20:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.835	U	0.630	0.635	1.00	0.965	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.46**		0.678	0.685	5.00	0.965	pCi/L		11/19/24 18:54	1

Client Sample ID: SW-17
Lab Sample ID: 180-181459-41

Date Collected: 10/15/24 15:25
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.105	U	0.175	0.175	1.00	0.303	pCi/L	10/24/24 08:15	11/15/24 20:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/24/24 08:15*	*11/15/24 20:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.464	0.466	1.00	0.724	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.638	U	0.496	0.498	5.00	0.724	pCi/L		11/18/24 13:27	1

Client Sample ID: SW-17
Lab Sample ID: 180-181459-42

Date Collected: 10/15/24 15:39
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.313**		0.201	0.203	1.00	0.274	pCi/L	10/24/24 08:15	11/15/24 20:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/24/24 08:15*	*11/15/24 20:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.321	U	0.487	0.488	1.00	0.825	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.634	U	0.527	0.529	5.00	0.825	pCi/L		11/19/24 18:54	1

Client Sample ID: DUP-01
Lab Sample ID: 180-181459-43

Date Collected: 10/15/24 10:50
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.244	U	0.213	0.214	1.00	0.327	pCi/L	10/24/24 08:15	11/15/24 22:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.4*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.143	U	0.555	0.555	1.00	0.996	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.4*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.387	U	0.594	0.595	5.00	0.996	pCi/L		11/18/24 13:27	1

Client Sample ID: DUP-01

Date Collected: 10/15/24 10:59
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-44

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.201	U	0.176	0.177	1.00	0.269	pCi/L	10/24/24 08:15	11/15/24 22:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0729	U	0.438	0.438	1.00	0.802	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.273	U	0.472	0.472	5.00	0.802	pCi/L		11/19/24 18:54	1

Client Sample ID: DUP-02
Lab Sample ID: 180-181459-45

Date Collected: 10/15/24 11:12
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.114	U	0.171	0.172	1.00	0.294	pCi/L	10/24/24 08:15	11/15/24 22:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.414	U	0.515	0.517	1.00	0.854	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.528	U	0.543	0.545	5.00	0.854	pCi/L		11/18/24 13:27	1

Client Sample ID: DUP-02
Lab Sample ID: 180-181459-46

Date Collected: 10/15/24 11:20
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.226	U	0.169	0.170	1.00	0.238	pCi/L	10/24/24 08:15	11/15/24 22:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.263	U	0.449	0.449	1.00	0.774	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*76.3*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.489	U	0.480	0.480	5.00	0.774	pCi/L		11/19/24 18:54	1

Client Sample ID: EB-01

Date Collected: 10/15/24 00:00
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-47

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141	U	0.124	0.125	1.00	0.188	pCi/L	10/24/24 08:15	11/15/24 22:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.9*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.210	U	0.330	0.331	1.00	0.668	pCi/L	10/24/24 08:17	11/13/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.9*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:16*	*1*
Y Carrier	*85.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0686	U	0.353	0.354	5.00	0.668	pCi/L		11/18/24 13:27	1

Client Sample ID: FB-01

Date Collected: 10/15/24 07:54
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-48

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0222	U	0.0912	0.0912	1.00	0.175	pCi/L	10/24/24 08:15	11/15/24 22:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.737**		0.457	0.462	1.00	0.672	pCi/L	10/24/24 08:17	11/13/24 13:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:23*	*1*
Y Carrier	*85.6*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.760**		0.466	0.471	5.00	0.672	pCi/L		11/18/24 13:27	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-181459-2

Client Sample ID: EB-02
Date Collected: 10/15/24 18:13
Date Received: 10/17/24 09:15

Lab Sample ID: 180-181459-49
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0348	U	0.0983	0.0984	1.00	0.211	pCi/L	10/24/24 08:15	11/15/24 22:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.238	U	0.394	0.394	1.00	0.672	pCi/L	10/24/24 08:17	11/13/24 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*
Y Carrier	*86.4*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.203	U	0.406	0.406	5.00	0.672	pCi/L		11/18/24 13:27	1

Client Sample ID: FB-02
Lab Sample ID: 180-181459-50

Date Collected: 10/15/24 18:04
Matrix: Water

Date Received: 10/17/24 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0348	U	0.117	0.117	1.00	0.221	pCi/L	10/24/24 08:15	11/15/24 22:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*10/24/24 08:15*	*11/15/24 22:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.498	U G	0.677	0.678	1.00	1.13	pCi/L	10/24/24 08:17	11/13/24 13:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*
Y Carrier	*75.9*		*30 - 110*	*10/24/24 08:17*	*11/13/24 13:24*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.533	U	0.687	0.688	5.00	1.13	pCi/L		11/18/24 13:27	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-684908/1-A
Matrix: Water
Analysis Batch: 688683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684908

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.04703	U	0.0898	0.0899	1.00	0.206	pCi/L	10/24/24 08:15	11/15/24 20:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/24/24 08:15*	*11/15/24 20:11*	*1*

Lab Sample ID: LCS 160-684908/2-A
Matrix: Water
Analysis Batch: 688683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684908

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.747		1.02	1.00	0.158	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.1*		*30 - 110*

Lab Sample ID: 180-181459-47 DU
Matrix: Water
Analysis Batch: 688683

Client Sample ID: EB-01
Prep Type: Total/NA
Prep Batch: 684908

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.141	U		-0.01503	U	0.0914	1.00	0.195	pCi/L			0.72	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*88.0*		*30 - 110*

Lab Sample ID: MB 160-684910/1-A
Matrix: Water
Analysis Batch: 689002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684910

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.004522	U	0.0751	0.0751	1.00	0.160	pCi/L	10/24/24 08:19	11/16/24 13:00	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:19*	*11/16/24 13:00*	*1*

Lab Sample ID: LCS 160-684910/2-A
Matrix: Water
Analysis Batch: 689002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684910

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.243		1.06	1.00	0.168	pCi/L	96	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-684910/2-A
Matrix: Water
Analysis Batch: 689002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684910

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.5		30 - 110

Lab Sample ID: 180-181459-19 DU
Matrix: Water
Analysis Batch: 689002

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 684910

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.246			0.2772		0.161	1.00	0.201	pCi/L			0.1	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.4		30 - 110

Lab Sample ID: MB 160-684912/1-A
Matrix: Water
Analysis Batch: 688645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684912

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07008	U	0.0707	0.0710	1.00	0.106	pCi/L	10/24/24 08:23	11/15/24 22:15	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110	10/24/24 08:23	11/15/24 22:15	1

Lab Sample ID: LCS 160-684912/2-A
Matrix: Water
Analysis Batch: 688682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684912

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.603		0.884	1.00	0.144	pCi/L	79	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110

Lab Sample ID: MB 160-685400/1-A
Matrix: Water
Analysis Batch: 689274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685400

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05351	U	0.0674	0.0675	1.00	0.160	pCi/L	10/28/24 08:34	11/19/24 11:35	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110	10/28/24 08:34	11/19/24 11:35	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-685400/2-A
Matrix: Water
Analysis Batch: 689274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685400

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.420		1.03	1.00	0.118	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.2*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-684909/1-A
Matrix: Water
Analysis Batch: 688342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684909

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2319	U	0.326	0.327	1.00	0.549	pCi/L	10/24/24 08:17	11/13/24 12:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/24/24 08:17*	*11/13/24 12:15*	*1*

Lab Sample ID: LCS 160-684909/2-A
Matrix: Water
Analysis Batch: 688342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684909

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	7.508		1.09	1.00	0.504	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.1*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

Lab Sample ID: 180-181459-47 DU
Matrix: Water
Analysis Batch: 688234

Client Sample ID: EB-01
Prep Type: Total/NA
Prep Batch: 684909

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.210	U		-0.3806	U	0.407	1.00	0.838	pCi/L			0.23	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*88.0*		*30 - 110*
Y Carrier	*85.2*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-684911/1-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684911

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.03473	U	0.270	0.270	1.00	0.503	pCi/L	10/24/24 08:22	11/13/24 12:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/24/24 08:22*	*11/13/24 12:15*	*1*

Lab Sample ID: LCS 160-684911/2-A
Matrix: Water
Analysis Batch: 688341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684911

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	8.314		1.19	1.00	0.589	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*88.5*		*30 - 110*
Y Carrier	*89.0*		*30 - 110*

Lab Sample ID: 180-181459-19 DU
Matrix: Water
Analysis Batch: 688341

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 684911

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.461	U		0.6157	U	0.491	1.00	0.758	pCi/L			0.17	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.4*		*30 - 110*
Y Carrier	*84.9*		*30 - 110*

Lab Sample ID: MB 160-684913/1-A
Matrix: Water
Analysis Batch: 688157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 684913

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1648	U	0.259	0.260	1.00	0.536	pCi/L	10/24/24 08:25	11/12/24 12:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/24/24 08:25*	*11/12/24 12:07*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-684913/2-A
Matrix: Water
Analysis Batch: 688157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 684913

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.35	7.994		1.15	1.00	0.553	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*
Y Carrier	*80.7*		*30 - 110*

Lab Sample ID: MB 160-685405/1-A
Matrix: Water
Analysis Batch: 688429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685405

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1536	U	0.338	0.338	1.00	0.590	pCi/L	10/28/24 08:46	11/14/24 11:44	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:44*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/28/24 08:46*	*11/14/24 11:44*	*1*

Lab Sample ID: LCS 160-685405/2-A
Matrix: Water
Analysis Batch: 688429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685405

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.34	9.573		1.28	1.00	0.460	pCi/L	115	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.2*		*30 - 110*
Y Carrier	*81.9*		*30 - 110*

Rad

Prep Batch: 684908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-40	SW-16	Dissolved	Water	PrecSep-21	
180-181459-41	SW-17	Total/NA	Water	PrecSep-21	
180-181459-42	SW-17	Dissolved	Water	PrecSep-21	
180-181459-43	DUP-01	Total/NA	Water	PrecSep-21	
180-181459-44	DUP-01	Dissolved	Water	PrecSep-21	
180-181459-45	DUP-02	Total/NA	Water	PrecSep-21	
180-181459-46	DUP-02	Dissolved	Water	PrecSep-21	
180-181459-47	EB-01	Total/NA	Water	PrecSep-21	
180-181459-48	FB-01	Total/NA	Water	PrecSep-21	
180-181459-49	EB-02	Total/NA	Water	PrecSep-21	
180-181459-50	FB-02	Total/NA	Water	PrecSep-21	
MB 160-684908/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684908/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-181459-47 DU	EB-01	Total/NA	Water	PrecSep-21	

Prep Batch: 684909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-40	SW-16	Dissolved	Water	PrecSep_0	
180-181459-41	SW-17	Total/NA	Water	PrecSep_0	
180-181459-42	SW-17	Dissolved	Water	PrecSep_0	
180-181459-43	DUP-01	Total/NA	Water	PrecSep_0	
180-181459-44	DUP-01	Dissolved	Water	PrecSep_0	
180-181459-45	DUP-02	Total/NA	Water	PrecSep_0	
180-181459-46	DUP-02	Dissolved	Water	PrecSep_0	
180-181459-47	EB-01	Total/NA	Water	PrecSep_0	
180-181459-48	FB-01	Total/NA	Water	PrecSep_0	
180-181459-49	EB-02	Total/NA	Water	PrecSep_0	
180-181459-50	FB-02	Total/NA	Water	PrecSep_0	
MB 160-684909/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684909/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-181459-47 DU	EB-01	Total/NA	Water	PrecSep_0	

Prep Batch: 684910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-16	SW-5	Dissolved	Water	PrecSep-21	
180-181459-17	SW-5	Total/NA	Water	PrecSep-21	
180-181459-18	SW-5	Dissolved	Water	PrecSep-21	
180-181459-19	SW-6	Total/NA	Water	PrecSep-21	
180-181459-20	SW-6	Dissolved	Water	PrecSep-21	
180-181459-21	SW-6	Total/NA	Water	PrecSep-21	
180-181459-22	SW-6	Dissolved	Water	PrecSep-21	
180-181459-23	SW-9	Total/NA	Water	PrecSep-21	
180-181459-24	SW-9	Dissolved	Water	PrecSep-21	
180-181459-25	SW-9	Total/NA	Water	PrecSep-21	
180-181459-26	SW-9	Dissolved	Water	PrecSep-21	
180-181459-27	SW-10	Total/NA	Water	PrecSep-21	
180-181459-28	SW-10	Dissolved	Water	PrecSep-21	
180-181459-29	SW-11	Total/NA	Water	PrecSep-21	
180-181459-30	SW-11	Dissolved	Water	PrecSep-21	
180-181459-31	SW-12	Total/NA	Water	PrecSep-21	
180-181459-32	SW-12	Dissolved	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 684910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-33	SW-13	Total/NA	Water	PrecSep-21	
180-181459-34	SW-13	Dissolved	Water	PrecSep-21	
180-181459-39	SW-16	Total/NA	Water	PrecSep-21	
MB 160-684910/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-684910/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-181459-19 DU	SW-6	Total/NA	Water	PrecSep-21	

Prep Batch: 684911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-16	SW-5	Dissolved	Water	PrecSep_0	
180-181459-17	SW-5	Total/NA	Water	PrecSep_0	
180-181459-18	SW-5	Dissolved	Water	PrecSep_0	
180-181459-19	SW-6	Total/NA	Water	PrecSep_0	
180-181459-20	SW-6	Dissolved	Water	PrecSep_0	
180-181459-21	SW-6	Total/NA	Water	PrecSep_0	
180-181459-22	SW-6	Dissolved	Water	PrecSep_0	
180-181459-23	SW-9	Total/NA	Water	PrecSep_0	
180-181459-24	SW-9	Dissolved	Water	PrecSep_0	
180-181459-25	SW-9	Total/NA	Water	PrecSep_0	
180-181459-26	SW-9	Dissolved	Water	PrecSep_0	
180-181459-27	SW-10	Total/NA	Water	PrecSep_0	
180-181459-28	SW-10	Dissolved	Water	PrecSep_0	
180-181459-29	SW-11	Total/NA	Water	PrecSep_0	
180-181459-30	SW-11	Dissolved	Water	PrecSep_0	
180-181459-31	SW-12	Total/NA	Water	PrecSep_0	
180-181459-32	SW-12	Dissolved	Water	PrecSep_0	
180-181459-33	SW-13	Total/NA	Water	PrecSep_0	
180-181459-34	SW-13	Dissolved	Water	PrecSep_0	
180-181459-39	SW-16	Total/NA	Water	PrecSep_0	
MB 160-684911/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684911/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-181459-19 DU	SW-6	Total/NA	Water	PrecSep_0	

Prep Batch: 684912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	PrecSep-21	
180-181459-2	SW-1	Dissolved	Water	PrecSep-21	
180-181459-3	SW-1	Total/NA	Water	PrecSep-21	
180-181459-4	SW-1	Dissolved	Water	PrecSep-21	
180-181459-5	SW-2	Total/NA	Water	PrecSep-21	
180-181459-6	SW-2	Dissolved	Water	PrecSep-21	
180-181459-7	SW-2	Total/NA	Water	PrecSep-21	
180-181459-8	SW-2	Dissolved	Water	PrecSep-21	
180-181459-9	SW-3	Total/NA	Water	PrecSep-21	
180-181459-10	SW-3	Dissolved	Water	PrecSep-21	
180-181459-11	SW-3	Total/NA	Water	PrecSep-21	
180-181459-12	SW-3	Dissolved	Water	PrecSep-21	
180-181459-13	SW-4	Total/NA	Water	PrecSep-21	
180-181459-14	SW-4	Dissolved	Water	PrecSep-21	
180-181459-15	SW-5	Total/NA	Water	PrecSep-21	
MB 160-684912/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 684912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-684912/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 684913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-1	SW-1	Total/NA	Water	PrecSep_0	
180-181459-2	SW-1	Dissolved	Water	PrecSep_0	
180-181459-3	SW-1	Total/NA	Water	PrecSep_0	
180-181459-4	SW-1	Dissolved	Water	PrecSep_0	
180-181459-5	SW-2	Total/NA	Water	PrecSep_0	
180-181459-6	SW-2	Dissolved	Water	PrecSep_0	
180-181459-7	SW-2	Total/NA	Water	PrecSep_0	
180-181459-8	SW-2	Dissolved	Water	PrecSep_0	
180-181459-9	SW-3	Total/NA	Water	PrecSep_0	
180-181459-10	SW-3	Dissolved	Water	PrecSep_0	
180-181459-11	SW-3	Total/NA	Water	PrecSep_0	
180-181459-12	SW-3	Dissolved	Water	PrecSep_0	
180-181459-13	SW-4	Total/NA	Water	PrecSep_0	
180-181459-14	SW-4	Dissolved	Water	PrecSep_0	
180-181459-15	SW-5	Total/NA	Water	PrecSep_0	
MB 160-684913/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-684913/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 685400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total/NA	Water	PrecSep-21	
180-181459-36	SW-14	Dissolved	Water	PrecSep-21	
180-181459-37	SW-15	Total/NA	Water	PrecSep-21	
180-181459-38	SW-15	Dissolved	Water	PrecSep-21	
MB 160-685400/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-685400/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 685405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-181459-35	SW-14	Total/NA	Water	PrecSep_0	
180-181459-36	SW-14	Dissolved	Water	PrecSep_0	
180-181459-37	SW-15	Total/NA	Water	PrecSep_0	
180-181459-38	SW-15	Dissolved	Water	PrecSep_0	
MB 160-685405/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-685405/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Laura / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 5
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205.992.6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	10-15-24	1650	G	W	NO		X	X	X	X						5	Depth-1'
SW-1	10-15-24	1658	G	W	YES						X	X	X	X		5	Depth-1'
SW-1	10-15-24	1710	G	W	NO		X	X	X	X						5	Depth-7'
SW-1	10-15-24	1718	G	W	YES						X	X	X	X		5	Depth-7'
SW-2	10-15-24	1600	G	W	NO		X	X	X	X						5	Depth-1'
SW-2	10-15-24	1608	G	W	YES						X	X	X	X		5	Depth-1'
SW-2	10-15-24	1620	G	W	NO		X	X	X	X						5	Depth-7'
SW-2	10-15-24	1628	G	W	YES						X	X	X	X		5	Depth-7'
SW-3	10-15-24	1022	G	W	NO		X	X	X	X						5	Depth-1'
SW-3	10-15-24	1030	G	W	YES						X	X	X	X		5	Depth-1'
SW-3	10-15-24	1055	G	W	NO		X	X	X	X						5	Depth-4'

180-181459 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-16-24 0615	Company: EDIT ENV.	Received by:	Date/Time: 10/17/24 0915	Company: EP:HNG
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No .	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Richard Laura Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: 2 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	10-15-24	1106	G	W	YES						X	X	X	X		5	Depth-4'
SW-4	10-15-24	0909	G	W	NO		X	X	X	X						5	Depth-1.5"
SW-4	10-15-24	0920	G	W	YES						X	X	X	X		5	Depth-1.5"
SW-5	10-15-24	0831	G	W	NO		X	X	X	X						5	Depth-1'
SW-5	10-15-24	0848	G	W	YES						X	X	X	X		5	Depth-1'
SW-5	10-15-24	0905	G	W	NO		X	X	X	X						5	Depth-13'
SW-5	10-15-24	0913	G	W	YES						X	X	X	X		5	Depth-13'
SW-6	10-15-24	0940	G	W	NO		X	X	X	X						5	Depth-1'
SW-6	10-15-24	0952	G	W	YES						X	X	X	X		5	Depth-1'
SW-6	10-15-24	1003	G	W	NO		X	X	X	X						5	Depth-9.5"
SW-6	10-15-24	1017	G	W	YES						X	X	X	X		5	Depth-9.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	10/16/24 0615	EST EW		10/17/24	GRHE
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No..

Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rickelawa / TODD Hagendorfer / Noreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: 3 of 5
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-9	10-15-24	1040	G	W	NO		X	X	X	X						5	Depth-1'
SW-9	10-15-24	1052	G	W	YES						X	X	X	X		5	Depth-1'
SW-9	10-15-24	1107	G	W	NO		X	X	X	X						5	Depth-4'
SW-9	10-15-24	1115	G	W	YES						X	X	X	X		5	Depth-4'
SW-10	10-15-24	1150	G	W	NO		X	X	X	X						5	Depth-2'
SW-10	10-15-24	1159	G	W	YES						X	X	X	X		5	Depth-2'
SW-11	10-15-24	1226	G	W	NO		X	X	X	X						5	Depth-1'
SW-11	10-15-24	1237	G	W	YES						X	X	X	X		5	Depth-1'
SW-12	10-15-24	1254	G	W	NO		X	X	X	X						5	Depth-1'
SW-12	10-15-24	1301	G	W	YES						X	X	X	X		5	Depth-1'
SW-13	10-15-24	1212	G	W	NO		X	X	X	X						5	Depth-1.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	10/16/24 0615	FSH GW.	[signature]	10/17/2024 0915	EHNC
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No : | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirkland / Todd Hagenbarber / Vorels	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 4 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-13	10-15-24	1220	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-14	10-15-24	1313	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-14	10-15-24	1324	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-15	10-15-24	1350	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-15	10-15-24	1401	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-16	10-15-24	1426	G	W	NO		X	X	X	X						5	Depth 1.5"
SW-16	10-15-24	1436	G	W	YES						X	X	X	X		5	Depth 1.5"
SW-17	10-15-24	1525	G	W	NO		X	X	X	X						5	Depth 1'
SW-17	10-15-24	1539	G	W	YES						X	X	X	X		5	Depth 1'
DUP-01	10-15-24	1050	G	W	NO		X	X	X	X						5	Depth 2'
DUP-01	10-15-24	1059	G	W	YES						X	X	X	X		5	Depth 2'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		10-15-24 0615	ROTEM		10/17/24 0915	GHANG
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Buckbee Hagendorfer / TODD Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: Rick Hagendorfer	E-Mail: shali.brown@eurofinset.com		Page: 5 of 5
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205.992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
DUP-02	10-15-24	1112	G	W		N		X	X	X	X						5	Depth-1.5"
DUP-02	10-15-24	1120	G	W		N						X	X	X	X		5	Depth-1.5"
EB-01	10-15-24		G	W		N		X	X	X	X						5	
FB-01	10-15-24	0754	G	W		N		X	X	X	X						5	
EB-02	10-15-24	1813	G	W		N		X	X	X	X						5	
FB-02	10-15-24	1804	G	W		N		X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	10-15-24 0615	LOH ENV.		10/17/24 0915	GRAHAM
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058

REF:
INV:
PO:
DEPT:

Part # 156297-435-R43[illegible] EXP 05/25

Uncorrected temp 1.0 °C
Thermometer ID 24
CF -0.7
Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

8 of 15
MPS# 0263 2807 2062 7100
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

15238

Page 88 of 105

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ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058

REF:
INV:
PO:
DEPT:

Part # 156297-435-R43[illegible] EXP 05/25

Uncorrected temp 1.4 °C
Thermometer ID 17
CF -0.1
Initials MC
PT-WI-SR-001 effective 11/8/18

FedEx Express

5 of 15
MPS# 0263 2807 2062 7073
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30
PRIORITY OVERNIGH

1523

180-181459 Waybill

11/20/2024

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

RT 198 1 10:30 A
FZ 197 7165 10.17

FedEx Express

14 of 15
MPS# 0007 0060 7165

THU - 17 OCT 10:30A

Part # 156297-435-ARRDB Exp 05/25

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 13 17 °C
Thermometer ID
CF 0.1 Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

10 of 15
0263 2807 2062 7121
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-435-ARRDB Exp 05/25

11/20/2024

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: PO: DEPT:

Uncorrected temp +1.9 °C
Thermometer ID 17
CF -0.1 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

9 of 15
MPS# 0263 2807 2062 7110
Mstr# 2807 2062 7030
0201

THU - 17 OCT 10:30
PRIORITY OVERNIGH

XS AGCA

PA-US 1523
PI

Part # 156297-435 RRDB EXP 05/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: PO: DEPT:

Uncorrected temp 1.6 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 15
MPS# 0263 2807 2062 7040
Mstr# 2807 2062 7030

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Part # 156297-435 RRDB EXP 05/25

J244024091001mm

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-435-ARRB-ENG 05/25

Uncorrected temp 2.1 °C
Thermometer ID 20
CF -0.7 Initials PMA
PT-WI-SR-001 effective 11/8/18

FedEx Express

4 of 15
MPS# 0263 2807 2062 7062

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-435-ARRB-ENG 05/25

Uncorrected temp 3.2 °C
Thermometer ID 20
CF -0.7 Initials PMA
PT-WI-SR-001 effective 11/8/18

FedEx Express

7 of 15
MPS# 0263 2807 2062 7095
Mstr# 2807 2062 7030

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

0201

15238

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-435 REV EXP 05/25

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091001 AM

15 of 15
MPS# 0263 2807 2062 7176
Mstr# 2807 2062 7030 0201

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-435 REV EXP 05/25

Uncorrected temp 3.8 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091001 AM

13 of 15
MPS# 0263 2807 2062 7154

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 17
CF -0.1 Initials MC
PT-WI-SR-001 effective 11/8/18

FedEx Express

1 of 15
TRK# 0201 2807 2062 7030
MASTER
XS AGCA
THU - 17 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435-ARRB-ENH 05/25

Page 93 of 405

11/20/2024

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.6 °C
Thermometer ID 20
CF -0.7 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 15
MPS# 0263 2807 2062 7084
Mstr# 2807 2062 7030
0201
XS AGCA
THU - 17 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

RT 198 1 A
10:30
FZ 197 7084
10.17

Part # 156297-435-ARRB-ENH 05/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 16OCT24
ACTWGT: 67.00 LB
CAD: 6993799/SSFE2541
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 17
CF 0.1
Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

J244024091501UV

11 of 15
MPS# 2807 2062 7132
Mstr# 2807 2062 7030

THU - 17 OCT 10:30A
PRIORITY OVERNIGHT

0263
0201

XS AGCA

15238
PA-US PIT

RT 198 1 10:30 A
FZ 197 7132 10.17

Part # 158297-ASP-HHDR EXP 05/25

Page 94 of 105

11/20/2024

ORIGIN ID:SAVA (912) 354-7858
COREY JOHNSON

5102 LAROCHE AVENUE

SAVANNAH, GA 31404
UNITED STATES US

SHIP DATE: 21OCT24
ACTWGT 10.00 LB
CAD: 259707236/INET4760

BILL SENDER

TO RECEIVING
EUROFINS PITTSBURG
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT

58C554FB6/C6C4

Uncorrected temp 18.0 °C
Thermometer ID 17
CF -0.1 Initials
PT-WI-SR-001 effective 11/8/18

FedEx Express

J144240310911mr

TUE - 22 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7794 0796 9337

XS AGCA

15238
PIT
PA-US

After printing this label
1. Use the Print
2. Fold the print
3. Place label i

Warning Use
additional billin
Use of this sys
be responsible
unless you dec
Service Guide
attorney's fees
authorized de
precious meta
FedEx Servic

180-181459 Waybill

inal label for shipping Using a photocopy of this label for shipping purposes is fraudulent and could result in
th the cancellation of your FedEx account number
r agreement to the service conditions in the current FedEx Service Guide available on fedex com.FedEx will not
cess of $100 per package whether the result of loss, damage delay non-delivery misdelivery or misinformation
pay an additional charge document your actual loss and file a timely claim Limitations found in the current FedEx
recover from FedEx for any loss, including intrinsic value of the package loss of sales income interest, profit,
orms of damage whether direct, incidental,consequential or special is limited to the greater of $100 or the
ery cannot exceed actual documented loss Maximum for items of extraordinary value is $1 000 e g Jewelry
iments and other items listed in our ServiceGuide Written claims must be filed within strict time limits see current
age to print your label to your laser or inkjet printer
horizontal line
d affix it to your shipment so that the barcode portion of the label can be read and scanned

1/1

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-1 (180-181459-1)	10/15/24	16:50 Eastern	G	Water			X	X	X				2	
SW-1 (180-181459-2)	10/15/24	16:58 Eastern	G	Water						X	X	X	2	
SW-1 (180-181459-3)	10/15/24	17:10 Eastern	G	Water			X	X	X				2	
SW-1 (180-181459-4)	10/15/24	17:18 Eastern	G	Water						X	X	X	2	
SW-2 (180-181459-5)	10/15/24	16:00 Eastern	G	Water			X	X	X				2	
SW-2 (180-181459-6)	10/15/24	16:08 Eastern	G	Water						X	X	X	2	
SW-2 (180-181459-7)	10/15/24	16:20 Eastern	G	Water			X	X	X				2	
SW-2 (180-181459-8)	10/15/24	16:28 Eastern	G	Water						X	X	X	2	
SW-3 (180-181459-9)	10/15/24	10:22 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10-21-24 1700		M. Pinette	OCT 22 2024 0900	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-181459-10)	10/15/24	10:30 Eastern	G	Water						X	X	X	2	
SW-3 (180-181459-11)	10/15/24	10:55 Eastern	G	Water			X	X	X				2	
SW-3 (180-181459-12)	10/15/24	11:06 Eastern	G	Water						X	X	X	2	
SW-4 (180-181459-13)	10/15/24	09:09 Eastern	G	Water			X	X	X				2	
SW-4 (180-181459-14)	10/15/24	09:20 Eastern	G	Water						X	X	X	2	
SW-5 (180-181459-15)	10/15/24	08:31 Eastern	G	Water			X	X	X				2	
SW-5 (180-181459-16)	10/15/24	08:48 Eastern	G	Water						X	X	X	2	
SW-5 (180-181459-17)	10/15/24	09:05 Eastern	G	Water			X	X	X				2	
SW-5 (180-181459-18)	10/15/24	09:13 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-21-24 1700	Company: EPITAVE	Received by: M. Pinetta	Date/Time: 10/22/2024 0900	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

11/20/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-6 (180-181459-19)	10/15/24	09:40 Eastern	G	Water			X	X	X				2	
SW-6 (180-181459-20)	10/15/24	09:52 Eastern	G	Water						X	X	X	2	
SW-6 (180-181459-21)	10/15/24	10:03 Eastern	G	Water			X	X	X				2	
SW-6 (180-181459-22)	10/15/24	10:17 Eastern	G	Water						X	X	X	2	
SW-9 (180-181459-23)	10/15/24	10:40 Eastern	G	Water			X	X	X				2	
SW-9 (180-181459-24)	10/15/24	10:52 Eastern	G	Water						X	X	X	2	
SW-9 (180-181459-25)	10/15/24	11:07 Eastern	G	Water			X	X	X				2	
SW-9 (180-181459-26)	10/15/24	11:15 Eastern	G	Water						X	X	X	2	
SW-10 (180-181459-27)	10/15/24	11:50 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10-21-24 1700	Company: EEI/AWE	Received by: M. Pinette	Date/Time: OCT 22 2024 0700	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-10 (180-181459-28)	10/15/24	11:59 Eastern	G	Water						X	X	X	2	
SW-11 (180-181459-29)	10/15/24	12:26 Eastern	G	Water			X	X	X				2	
SW-11 (180-181459-30)	10/15/24	12:37 Eastern	G	Water						X	X	X	2	
SW-12 (180-181459-31)	10/15/24	12:54 Eastern	G	Water			X	X	X				2	
SW-12 (180-181459-32)	10/15/24	13:01 Eastern	G	Water						X	X	X	2	
SW-13 (180-181459-33)	10/15/24	12:12 Eastern	G	Water			X	X	X				2	
SW-13 (180-181459-34)	10/15/24	12:20 Eastern	G	Water						X	X	X	2	
SW-16 (180-181459-39)	10/15/24	14:26 Eastern	G	Water			X	X	X				2	
SW-16 (180-181459-40)	10/15/24	14:36 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10-21-24 1700	EPI	M. Pinette	OCT 22 2024 0700	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526463.6
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 6 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			Preservation Codes:
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email:	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site:	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
FB-02 (180-181459-50)	10/15/24	18:04 Eastern	G	Water			X	X	X				2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10-21-24 1700	ERI/PACE	M. Pinette	OCT 22 2024 0900	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-526641.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-181459-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/19/2024			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-14 (180-181459-35)	10/15/24	13:13 Eastern	G	Water			X	X	X				2	
SW-14 (180-181459-36)	10/15/24	13:24 Eastern	G	Water						X	X	X	2	
SW-15 (180-181459-37)	10/15/24	13:50 Eastern	G	Water			X	X	X				2	
SW-15 (180-181459-38)	10/15/24	14:01 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 10/23/24 1700	Company: EPITMS	Received by: Cheyenne Forrest	Date/Time: 0820 10/24/24	Company: ETA-STL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-2

Login Number: 181459
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-2

Login Number: 181459
List Number: 4
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-2

Login Number: 181459
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/22/24 03:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-181459-2

Login Number: 181459
List Number: 6
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/24/24 03:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Low-Flow Test Report:

Test Date / Time: 10/16/2024 2:59:42 PM
Project: Watson CCR APMW-1R
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-1R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 33.6 ft** **Total Depth: 38.6 ft** **Initial Depth to Water: 23.79 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 36.1 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.58 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 68

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 2:59 PM	00:00	5.96 pH	20.22 °C	7,664.4 µS/cm	2.40 mg/L		-28.9 mV	23.79 ft	400.00 ml/min
10/16/2024 3:04 PM	05:00	6.12 pH	21.31 °C	7,852.1 µS/cm	0.26 mg/L	0.73 NTU	-116.6 mV	24.38 ft	400.00 ml/min
10/16/2024 3:09 PM	10:00	6.14 pH	21.27 °C	7,849.7 µS/cm	0.20 mg/L	0.46 NTU	-108.9 mV	24.37 ft	400.00 ml/min
10/16/2024 3:14 PM	15:00	6.15 pH	21.22 °C	7,844.3 µS/cm	0.18 mg/L	0.39 NTU	-113.2 mV	24.37 ft	400.00 ml/min
10/16/2024 3:19 PM	20:00	6.17 pH	21.24 °C	7,822.1 µS/cm	0.16 mg/L	0.40 NTU	-115.7 mV	24.37 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-1R	Sample time 1522

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/16/2024 4:02:58 PM
Project: Watson CCR APMW-2
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 21.34 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 37.9 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 68

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 4:02 PM	00:00	4.05 pH	21.71 °C	7,566.6 µS/cm	7.72 mg/L		302.2 mV	21.34 ft	400.00 ml/min
10/16/2024 4:07 PM	05:00	5.75 pH	20.91 °C	7,236.4 µS/cm	0.45 mg/L	1.20 NTU	-4.4 mV	21.48 ft	400.00 ml/min
10/16/2024 4:12 PM	10:00	5.82 pH	20.91 °C	7,150.9 µS/cm	0.30 mg/L	1.58 NTU	-24.7 mV	21.49 ft	400.00 ml/min
10/16/2024 4:17 PM	15:00	5.84 pH	20.95 °C	7,154.4 µS/cm	0.25 mg/L	1.13 NTU	-30.8 mV	21.51 ft	400.00 ml/min
10/16/2024 4:22 PM	20:00	5.84 pH	20.91 °C	7,145.1 µS/cm	0.23 mg/L	0.70 NTU	-33.9 mV	21.52 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2	Sample time 1628
FB-01	Sample time 1544
EB-01	Sample time 1550

Low-Flow Test Report:

Test Date / Time: 10/16/2024 5:06:17 PM
Project: Watson CCR APMW-2D
Operator Name: Rick Hagendorfer

Location Name: WATSON CCR APMW-2D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 152.8 ft** **Total Depth: 162.8 ft** **Initial Depth to Water: 15.3 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 157.2 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.26 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 5:06 PM	00:00	7.65 pH	20.85 °C	194.86 µS/cm	1.28 mg/L		-115.0 mV	15.30 ft	400.00 ml/min
10/16/2024 5:11 PM	05:00	7.68 pH	20.60 °C	194.36 µS/cm	0.34 mg/L	2.23 NTU	-139.7 mV	15.56 ft	400.00 ml/min
10/16/2024 5:16 PM	10:00	7.66 pH	20.63 °C	193.45 µS/cm	0.28 mg/L	1.47 NTU	-148.0 mV	15.56 ft	400.00 ml/min
10/16/2024 5:21 PM	15:00	7.65 pH	20.49 °C	192.70 µS/cm	0.24 mg/L	1.27 NTU	-152.9 mV	15.56 ft	400.00 ml/min
10/16/2024 5:26 PM	20:00	7.64 pH	20.40 °C	191.26 µS/cm	0.23 mg/L	1.03 NTU	-155.3 mV	15.56 ft	400.00 ml/min
10/16/2024 5:31 PM	25:00	7.64 pH	20.36 °C	190.79 µS/cm	0.21 mg/L	0.99 NTU	-156.3 mV	15.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2D	Sample time 1732

Low-Flow Test Report:

Test Date / Time: 10/17/2024 7:51:36 AM
Project: Watson CCR APMW-3
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 8.4 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 46

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 7:51 AM	00:00	6.17 pH	12.23 °C	28,526 µS/cm	5.78 mg/L		104.0 mV	8.40 ft	400.00 ml/min
10/17/2024 7:56 AM	05:00	6.56 pH	20.02 °C	26,405 µS/cm	0.26 mg/L	14.80 NTU	-69.6 mV	8.43 ft	400.00 ml/min
10/17/2024 8:01 AM	10:00	6.56 pH	20.09 °C	25,546 µS/cm	0.19 mg/L	3.73 NTU	-51.5 mV	8.43 ft	400.00 ml/min
10/17/2024 8:06 AM	15:00	6.58 pH	20.20 °C	25,103 µS/cm	0.16 mg/L	1.30 NTU	-51.6 mV	8.43 ft	400.00 ml/min
10/17/2024 8:11 AM	20:00	6.58 pH	20.32 °C	25,183 µS/cm	0.15 mg/L	0.91 NTU	-53.0 mV	8.43 ft	400.00 ml/min
10/17/2024 8:16 AM	25:00	6.59 pH	20.34 °C	25,191 µS/cm	0.14 mg/L	0.75 NTU	-53.0 mV	8.43 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3	Sample time 0819

Low-Flow Test Report:

Test Date / Time: 10/17/2024 8:46:45 AM
Project: Watson CCR APMW-3D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 88.1 ft** **Total Depth: 93.1 ft** **Initial Depth to Water: 7.52 ft**	**Pump Type: P.P.** **Tubing Type: PE** **Pump Intake From TOC: 90.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.83 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 50

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 8:46 AM	00:00	7.37 pH	18.29 °C	346.38 µS/cm	3.38 mg/L		-74.1 mV	7.52 ft	400.00 ml/min
10/17/2024 8:51 AM	05:00	7.03 pH	20.47 °C	271.06 µS/cm	0.32 mg/L	2.65 NTU	-69.4 mV	9.22 ft	400.00 ml/min
10/17/2024 8:56 AM	10:00	6.98 pH	20.46 °C	237.45 µS/cm	0.25 mg/L	1.11 NTU	-65.6 mV	9.34 ft	400.00 ml/min
10/17/2024 9:01 AM	15:00	6.95 pH	20.46 °C	225.93 µS/cm	0.22 mg/L	0.63 NTU	-63.2 mV	9.35 ft	400.00 ml/min
10/17/2024 9:06 AM	20:00	6.93 pH	20.51 °C	232.80 µS/cm	0.20 mg/L	0.57 NTU	-62.3 mV	9.35 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3D	Sample time 0910

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/17/2024 12:41:34 PM
Project: Watson CCR APMW-4
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4 **Latitude: 30.43059065256619** **Longitude: -89.0062157238841** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27 ft** **Total Depth: 37 ft** **Initial Depth to Water: 12.63 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 12:41 PM	00:00	6.25 pH	20.74 °C	7,172.0 µS/cm	0.34 mg/L		-149.2 mV	12.63 ft	400.00 ml/min
10/17/2024 12:46 PM	05:00	6.28 pH	20.64 °C	7,034.0 µS/cm	0.24 mg/L	0.48 NTU	-181.2 mV	12.66 ft	400.00 ml/min
10/17/2024 12:51 PM	10:00	6.27 pH	20.60 °C	7,080.3 µS/cm	0.21 mg/L	0.51 NTU	-192.3 mV	12.66 ft	400.00 ml/min
10/17/2024 12:56 PM	15:00	6.24 pH	20.64 °C	7,049.2 µS/cm	0.19 mg/L	0.48 NTU	-201.5 mV	12.66 ft	400.00 ml/min
10/17/2024 1:01 PM	20:00	6.24 pH	20.64 °C	7,037.6 µS/cm	0.17 mg/L	0.40 NTU	-206.8 mV	12.66 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4	Sample time 1306

Low-Flow Test Report:

Test Date / Time: 10/17/2024 1:44:16 PM
Project: Watson CCR APMW-4D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.3 ft** **Total Depth: 100.3 ft** **Initial Depth to Water: 10.98 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 95.3 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 69

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 1:44 PM	00:00	7.04 pH	21.73 °C	4.85 µS/cm	8.48 mg/L		19.2 mV	10.98 ft	400.00 ml/min
10/17/2024 1:49 PM	05:00	6.62 pH	20.55 °C	21,411 µS/cm	0.30 mg/L	1.59 NTU	-63.9 mV	11.15 ft	400.00 ml/min
10/17/2024 1:54 PM	10:00	6.63 pH	20.35 °C	21,701 µS/cm	0.25 mg/L	0.99 NTU	-29.7 mV	11.16 ft	400.00 ml/min
10/17/2024 1:59 PM	15:00	6.65 pH	20.32 °C	21,770 µS/cm	0.20 mg/L	0.74 NTU	-29.8 mV	11.16 ft	400.00 ml/min
10/17/2024 2:04 PM	20:00	6.65 pH	20.30 °C	21,740 µS/cm	0.18 mg/L	0.81 NTU	-29.3 mV	11.16 ft	400.00 ml/min
10/17/2024 2:09 PM	25:00	6.66 pH	20.31 °C	21,781 µS/cm	0.18 mg/L	0.79 NTU	-28.8 mV	11.16 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4D	Sample time 1415
EB-03	Sample time 1336
FB-03	Sample time 1346

Low-Flow Test Report:

Test Date / Time: 10/17/2024 11:03:56 AM
Project: Watson CCR APMW-5
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 8.17 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 63

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 11:03 AM	00:00	6.26 pH	20.04 °C	19,961 µS/cm	0.69 mg/L		0.7 mV	8.17 ft	400.00 ml/min
10/17/2024 11:08 AM	05:00	6.33 pH	19.96 °C	19,597 µS/cm	0.19 mg/L	3.48 NTU	-37.4 mV	8.23 ft	400.00 ml/min
10/17/2024 11:13 AM	10:00	6.34 pH	19.95 °C	19,719 µS/cm	0.16 mg/L	2.36 NTU	-22.8 mV	8.23 ft	400.00 ml/min
10/17/2024 11:18 AM	15:00	6.35 pH	20.01 °C	19,760 µS/cm	0.14 mg/L	1.51 NTU	-23.3 mV	8.23 ft	400.00 ml/min
10/17/2024 11:23 AM	20:00	6.36 pH	20.02 °C	19,738 µS/cm	0.13 mg/L	1.26 NTU	-23.3 mV	8.23 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5	Sample time 1127

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/17/2024 10:19:21 AM
Project: Watson CCR APMW-5D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 106 ft** **Total Depth: 111 ft** **Initial Depth to Water: 7.95 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.88 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 59

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 10:19 AM	00:00	6.89 pH	18.40 °C	167.53 µS/cm	1.28 mg/L		-1.7 mV	7.95 ft	400.00 ml/min
10/17/2024 10:24 AM	05:00	6.75 pH	19.67 °C	159.97 µS/cm	0.25 mg/L	4.45 NTU	-15.0 mV	9.65 ft	400.00 ml/min
10/17/2024 10:29 AM	10:00	6.74 pH	19.71 °C	158.50 µS/cm	0.21 mg/L	4.30 NTU	-18.3 mV	10.73 ft	400.00 ml/min
10/17/2024 10:34 AM	15:00	6.74 pH	19.75 °C	157.53 µS/cm	0.19 mg/L	3.98 NTU	-18.4 mV	10.80 ft	400.00 ml/min
10/17/2024 10:39 AM	20:00	6.73 pH	19.80 °C	156.68 µS/cm	0.18 mg/L	3.98 NTU	-18.8 mV	10.83 ft	400.00 ml/min
10/17/2024 10:44 AM	25:00	6.72 pH	19.75 °C	155.78 µS/cm	0.17 mg/L	4.10 NTU	-17.6 mV	10.83 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5D	Sample time 1048
FB-02	Sample time 0947
EB-02	Sample time 0958

Low-Flow Test Report:

Test Date / Time: 10/17/2024 12:46:41 PM
Project: Watson CCR APMW-6R
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-6R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.8 ft** **Total Depth: 51.8 ft** **Initial Depth to Water: 7.42 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.8 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 67 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 12:46 PM	00:00	6.18 pH	21.42 °C	9,988.7 µS/cm	1.18 mg/L		-41.6 mV	7.42 ft	400.00 ml/min
10/17/2024 12:51 PM	05:00	6.28 pH	21.89 °C	10,237 µS/cm	0.21 mg/L	26.30 NTU	-53.2 mV	9.43 ft	400.00 ml/min
10/17/2024 12:56 PM	10:00	6.26 pH	21.76 °C	10,395 µS/cm	0.16 mg/L	17.00 NTU	-53.4 mV	9.53 ft	400.00 ml/min
10/17/2024 1:01 PM	15:00	6.25 pH	21.84 °C	10,645 µS/cm	0.15 mg/L	11.40 NTU	-55.4 mV	9.53 ft	400.00 ml/min
10/17/2024 1:06 PM	20:00	6.24 pH	21.96 °C	10,766 µS/cm	0.14 mg/L	3.60 NTU	-57.0 mV	9.53 ft	400.00 ml/min
10/17/2024 1:11 PM	25:00	6.25 pH	21.95 °C	10,801 µS/cm	0.13 mg/L	2.95 NTU	-57.4 mV	9.53 ft	400.00 ml/min
10/17/2024 1:16 PM	30:00	6.24 pH	21.81 °C	10,913 µS/cm	0.12 mg/L	2.32 NTU	-57.1 mV	9.53 ft	400.00 ml/min
10/17/2024 1:21 PM	35:00	6.23 pH	21.95 °C	10,923 µS/cm	0.12 mg/L	1.80 NTU	-56.7 mV	9.53 ft	400.00 ml/min
10/17/2024 1:26 PM	40:00	6.23 pH	21.78 °C	11,007 µS/cm	0.11 mg/L	1.72 NTU	-56.8 mV	9.53 ft	400.00 ml/min
10/17/2024 1:31 PM	45:00	6.23 pH	21.92 °C	11,049 µS/cm	0.11 mg/L	1.62 NTU	-57.1 mV	9.53 ft	400.00 ml/min
10/17/2024 1:36 PM	50:00	6.23 pH	21.94 °C	11,070 µS/cm	0.11 mg/L	1.44 NTU	-57.6 mV	9.53 ft	400.00 ml/min
10/17/2024 1:41 PM	55:00	6.23 pH	21.97 °C	11,061 µS/cm	0.10 mg/L	1.38 NTU	-57.7 mV	9.53 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6R	Sample time 1345

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/17/2024 2:23:22 PM
Project: Watson CCR APMW-6D
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-6D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 100.9 ft** **Total Depth: 105.9 ft** **Initial Depth to Water: 7.81 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 103.4 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.47 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 69 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 2:23 PM	00:00	6.89 pH	22.71 °C	398.96 µS/cm	1.83 mg/L		-91.2 mV	7.81 ft	400.00 ml/min
10/17/2024 2:28 PM	05:00	7.02 pH	22.35 °C	410.88 µS/cm	0.28 mg/L	1.74 NTU	-107.3 mV	9.05 ft	400.00 ml/min
10/17/2024 2:33 PM	10:00	7.02 pH	22.54 °C	387.81 µS/cm	0.21 mg/L	1.50 NTU	-95.0 mV	9.16 ft	400.00 ml/min
10/17/2024 2:38 PM	15:00	7.00 pH	22.49 °C	372.96 µS/cm	0.19 mg/L	0.49 NTU	-91.7 mV	9.22 ft	400.00 ml/min
10/17/2024 2:43 PM	20:00	6.99 pH	22.62 °C	366.34 µS/cm	0.17 mg/L	0.46 NTU	-89.2 mV	9.25 ft	400.00 ml/min
10/17/2024 2:48 PM	25:00	6.95 pH	22.65 °C	361.35 µS/cm	0.16 mg/L	0.40 NTU	-86.7 mV	9.28 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6D	Sample time 1455
DUP-04	Fake sample time 1355

Low-Flow Test Report:

Test Date / Time: 10/17/2024 10:47:59 AM
Project: Watson CCR APMW-7
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 11.95 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 32.4 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 62 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 10:47 AM	00:00	6.50 pH	21.20 °C	13,013 µS/cm	1.46 mg/L		-39.3 mV	11.95 ft	400.00 ml/min
10/17/2024 10:52 AM	05:00	6.47 pH	21.57 °C	12,223 µS/cm	0.15 mg/L	1.58 NTU	-68.0 mV	12.10 ft	400.00 ml/min
10/17/2024 10:57 AM	10:00	6.49 pH	21.52 °C	12,127 µS/cm	0.34 mg/L	1.67 NTU	-102.0 mV	12.10 ft	400.00 ml/min
10/17/2024 11:02 AM	15:00	6.50 pH	21.63 °C	12,102 µS/cm	0.50 mg/L	1.78 NTU	-133.7 mV	12.10 ft	400.00 ml/min
10/17/2024 11:07 AM	20:00	6.50 pH	21.60 °C	12,043 µS/cm	0.61 mg/L	1.35 NTU	-146.0 mV	12.10 ft	400.00 ml/min
10/17/2024 11:12 AM	25:00	6.51 pH	21.71 °C	11,940 µS/cm	0.66 mg/L	1.07 NTU	-151.2 mV	12.10 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-7	Sample time 1117

Low-Flow Test Report:

Test Date / Time: 10/17/2024 8:15:51 AM
Project: Watson CCR APMW-8
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.8 ft** **Total Depth: 42.8 ft** **Initial Depth to Water: 21.26 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.8 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 48 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 8:15 AM	00:00	5.95 pH	13.13 °C	12,228 µS/cm	11.17 mg/L		123.5 mV	21.26 ft	400.00 ml/min
10/17/2024 8:20 AM	05:00	6.48 pH	20.44 °C	10,969 µS/cm	0.91 mg/L	2.86 NTU	9.8 mV	21.26 ft	400.00 ml/min
10/17/2024 8:25 AM	10:00	6.60 pH	20.67 °C	11,538 µS/cm	0.35 mg/L	1.99 NTU	-18.6 mV	21.26 ft	400.00 ml/min
10/17/2024 8:30 AM	15:00	6.65 pH	20.82 °C	11,617 µS/cm	0.28 mg/L	1.45 NTU	-31.0 mV	21.26 ft	400.00 ml/min
10/17/2024 8:35 AM	20:00	6.67 pH	20.86 °C	11,636 µS/cm	0.27 mg/L	0.72 NTU	-37.8 mV	21.26 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8	Sample time 0840
DUP-03	Fake sample time 0740

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/17/2024 9:25:22 AM
Project: Watson CCR APMW-8D
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-8D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 87.5 ft** **Total Depth: 92.5 ft** **Initial Depth to Water: 20.38 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 54 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/17/2024 9:25 AM	00:00	7.84 pH	17.48 °C	555.93 µS/cm	6.21 mg/L		-90.8 mV	20.38 ft	400.00 ml/min
10/17/2024 9:30 AM	05:00	6.96 pH	20.84 °C	256.52 µS/cm	0.31 mg/L	6.03 NTU	-86.2 mV	21.61 ft	400.00 ml/min
10/17/2024 9:35 AM	10:00	6.81 pH	20.98 °C	211.63 µS/cm	0.25 mg/L	2.25 NTU	-75.9 mV	21.65 ft	400.00 ml/min
10/17/2024 9:40 AM	15:00	6.73 pH	21.06 °C	194.63 µS/cm	0.21 mg/L	1.31 NTU	-71.2 mV	21.65 ft	400.00 ml/min
10/17/2024 9:45 AM	20:00	6.70 pH	20.94 °C	182.12 µS/cm	0.20 mg/L	1.34 NTU	-67.4 mV	21.65 ft	400.00 ml/min
10/17/2024 9:50 AM	25:00	6.67 pH	21.14 °C	172.63 µS/cm	0.18 mg/L	1.09 NTU	-65.0 mV	21.65 ft	400.00 ml/min
10/17/2024 9:55 AM	30:00	6.64 pH	21.19 °C	166.14 µS/cm	0.17 mg/L	0.79 NTU	-60.6 mV	21.65 ft	400.00 ml/min
10/17/2024 10:00 AM	35:00	6.60 pH	21.28 °C	162.23 µS/cm	0.17 mg/L	0.78 NTU	-57.2 mV	21.65 ft	400.00 ml/min
10/17/2024 10:05 AM	40:00	6.58 pH	21.38 °C	161.60 µS/cm	0.16 mg/L	0.60 NTU	-55.3 mV	21.65 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8D	Sample time 1008

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/16/2024 6:05:47 PM
Project: Watson CCR APMW-9
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.5 ft** **Total Depth: 42.5 ft** **Initial Depth to Water: 21.71 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.5 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 65 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 6:05 PM	00:00	6.28 pH	23.20 °C	8,880.0 µS/cm	1.60 mg/L		17.6 mV	21.71 ft	400.00 ml/min
10/16/2024 6:10 PM	05:00	6.47 pH	22.09 °C	8,909.8 µS/cm	0.24 mg/L	14.90 NTU	-35.8 mV	21.80 ft	400.00 ml/min
10/16/2024 6:15 PM	10:00	6.48 pH	21.94 °C	8,978.5 µS/cm	0.20 mg/L	8.15 NTU	-36.5 mV	21.80 ft	400.00 ml/min
10/16/2024 6:20 PM	15:00	6.48 pH	21.91 °C	9,006.0 µS/cm	0.19 mg/L	2.77 NTU	-38.2 mV	21.80 ft	400.00 ml/min
10/16/2024 6:25 PM	20:00	6.47 pH	21.91 °C	9,022.4 µS/cm	0.20 mg/L	2.34 NTU	-38.9 mV	21.80 ft	400.00 ml/min
10/16/2024 6:30 PM	25:00	6.47 pH	21.87 °C	9,033.2 µS/cm	0.20 mg/L	0.88 NTU	-39.3 mV	21.80 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-9	Sample time 1835

Low-Flow Test Report:

Test Date / Time: 10/16/2024 5:13:27 PM
Project: Watson CCR APMW-10
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.9 ft** **Total Depth: 32.9 ft** **Initial Depth to Water: 19.77 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 27.9 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 68 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 5:13 PM	00:00	7.42 pH	25.05 °C	2,532.1 µS/cm	5.32 mg/L		-38.1 mV	19.77 ft	400.00 ml/min
10/16/2024 5:18 PM	05:00	6.88 pH	23.70 °C	2,366.4 µS/cm	0.16 mg/L	0.78 NTU	-81.4 mV	20.00 ft	400.00 ml/min
10/16/2024 5:23 PM	10:00	6.90 pH	23.61 °C	2,367.2 µS/cm	0.13 mg/L	0.72 NTU	-84.6 mV	20.00 ft	400.00 ml/min
10/16/2024 5:28 PM	15:00	6.93 pH	23.61 °C	2,376.1 µS/cm	0.13 mg/L	0.81 NTU	-89.6 mV	20.00 ft	400.00 ml/min
10/16/2024 5:33 PM	20:00	6.98 pH	23.52 °C	2,409.0 µS/cm	0.13 mg/L	0.68 NTU	-94.6 mV	20.00 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10	Sample time 1740

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/16/2024 3:23:49 PM
Project: Watson CCR APMW-10D
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-10D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 201.4 ft** **Total Depth: 206.4 ft** **Initial Depth to Water: 14.76 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 203.9 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.58 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny,68 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 3:23 PM	00:00	6.45 pH	22.00 °C	273.52 µS/cm	4.89 mg/L		83.9 mV	14.76 ft	400.00 ml/min
10/16/2024 3:28 PM	05:00	8.44 pH	23.56 °C	244.39 µS/cm	0.87 mg/L	4.06 NTU	36.5 mV	15.28 ft	400.00 ml/min
10/16/2024 3:33 PM	10:00	8.74 pH	23.53 °C	237.25 µS/cm	0.68 mg/L	3.82 NTU	15.9 mV	15.29 ft	400.00 ml/min
10/16/2024 3:38 PM	15:00	8.81 pH	23.61 °C	234.39 µS/cm	0.49 mg/L	2.94 NTU	5.1 mV	15.30 ft	400.00 ml/min
10/16/2024 3:43 PM	20:00	8.84 pH	23.61 °C	232.01 µS/cm	0.31 mg/L	2.93 NTU	-3.3 mV	15.31 ft	400.00 ml/min
10/16/2024 3:48 PM	25:00	8.85 pH	23.54 °C	230.31 µS/cm	0.29 mg/L	2.46 NTU	-9.6 mV	15.32 ft	400.00 ml/min
10/16/2024 3:53 PM	30:00	8.84 pH	23.47 °C	229.33 µS/cm	0.26 mg/L	1.70 NTU	-14.2 mV	15.33 ft	400.00 ml/min
10/16/2024 3:58 PM	35:00	8.86 pH	23.54 °C	227.04 µS/cm	0.25 mg/L	1.64 NTU	-19.8 mV	15.34 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10D	Sample time 1603
DUP-02	Fake sample time 1503

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/16/2024 11:08:44 AM
Project: Watson CCR APMW-11
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.6 ft** **Total Depth: 51.6 ft** **Initial Depth to Water: 18.7 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.6 ft** **Estimated Total Volume Pumped: 32000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 61 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 11:08 AM	00:00	6.28 pH	20.51 °C	114.67 µS/cm	1.05 mg/L		25.7 mV	18.70 ft	400.00 ml/min
10/16/2024 11:13 AM	05:00	6.26 pH	21.71 °C	112.79 µS/cm	0.35 mg/L	21.20 NTU	22.2 mV	18.73 ft	400.00 ml/min
10/16/2024 11:18 AM	10:00	6.28 pH	21.91 °C	113.39 µS/cm	0.28 mg/L	16.40 NTU	21.9 mV	18.73 ft	400.00 ml/min
10/16/2024 11:23 AM	15:00	6.28 pH	22.00 °C	113.33 µS/cm	0.24 mg/L	14.60 NTU	20.4 mV	18.73 ft	400.00 ml/min
10/16/2024 11:28 AM	20:00	6.27 pH	22.00 °C	113.56 µS/cm	0.23 mg/L	15.10 NTU	19.9 mV	18.73 ft	400.00 ml/min
10/16/2024 11:33 AM	25:00	6.29 pH	22.04 °C	111.25 µS/cm	0.22 mg/L	11.10 NTU	19.0 mV	18.73 ft	400.00 ml/min
10/16/2024 11:38 AM	30:00	6.29 pH	22.00 °C	111.17 µS/cm	0.22 mg/L	11.60 NTU	18.3 mV	18.73 ft	400.00 ml/min
10/16/2024 11:43 AM	35:00	6.28 pH	21.95 °C	109.81 µS/cm	0.21 mg/L	6.36 NTU	18.2 mV	18.73 ft	400.00 ml/min
10/16/2024 11:48 AM	40:00	6.28 pH	22.04 °C	109.87 µS/cm	0.18 mg/L	5.38 NTU	17.5 mV	18.73 ft	400.00 ml/min
10/16/2024 11:53 AM	45:00	6.27 pH	22.09 °C	108.44 µS/cm	0.18 mg/L	4.91 NTU	16.7 mV	18.73 ft	400.00 ml/min
10/16/2024 11:58 AM	50:00	6.28 pH	22.00 °C	107.32 µS/cm	0.17 mg/L	4.18 NTU	16.1 mV	18.73 ft	400.00 ml/min
10/16/2024 12:03 PM	55:00	6.28 pH	22.01 °C	107.07 µS/cm	0.17 mg/L	3.55 NTU	15.4 mV	18.73 ft	400.00 ml/min
10/16/2024 12:08 PM	01:00:00	6.28 pH	21.94 °C	105.99 µS/cm	0.16 mg/L	2.66 NTU	15.0 mV	18.73 ft	400.00 ml/min

10/16/2024 12:13 PM	01:05:00	6.29 pH	22.04 °C	106.77 µS/cm	0.15 mg/L	2.25 NTU	13.9 mV	18.73 ft	400.00 ml/min
10/16/2024 12:18 PM	01:10:00	6.27 pH	22.09 °C	103.83 µS/cm	0.15 mg/L	1.77 NTU	13.9 mV	18.73 ft	400.00 ml/min
10/16/2024 12:23 PM	01:15:00	6.28 pH	22.04 °C	104.86 µS/cm	0.15 mg/L	1.89 NTU	13.1 mV	18.73 ft	400.00 ml/min
10/16/2024 12:28 PM	01:20:00	6.29 pH	22.05 °C	104.41 µS/cm	0.14 mg/L	1.77 NTU	12.2 mV	18.73 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-11	Sample time 1231

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/16/2024 9:07:56 AM
Project: Watson CCR APMW-12
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.1 ft** **Total Depth: 54.1 ft** **Initial Depth to Water: 16.3 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 49.1 ft** **Estimated Total Volume Pumped: 24000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 54 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/16/2024 9:07 AM	00:00	5.95 pH	18.20 °C	170.65 µS/cm	1.79 mg/L		47.0 mV	16.30 ft	400.00 ml/min
10/16/2024 9:12 AM	05:00	6.13 pH	21.32 °C	160.92 µS/cm	0.45 mg/L	8.76 NTU	35.2 mV	16.35 ft	400.00 ml/min
10/16/2024 9:17 AM	10:00	6.15 pH	21.37 °C	160.75 µS/cm	0.46 mg/L	7.38 NTU	31.8 mV	16.35 ft	400.00 ml/min
10/16/2024 9:22 AM	15:00	6.16 pH	21.39 °C	161.55 µS/cm	0.46 mg/L	6.03 NTU	29.4 mV	16.35 ft	400.00 ml/min
10/16/2024 9:27 AM	20:00	6.18 pH	21.58 °C	161.16 µS/cm	0.43 mg/L	5.23 NTU	26.7 mV	16.35 ft	400.00 ml/min
10/16/2024 9:32 AM	25:00	6.20 pH	21.42 °C	160.32 µS/cm	0.40 mg/L	3.60 NTU	25.4 mV	16.35 ft	400.00 ml/min
10/16/2024 9:37 AM	30:00	6.18 pH	21.71 °C	160.33 µS/cm	0.38 mg/L	2.24 NTU	24.7 mV	16.36 ft	400.00 ml/min
10/16/2024 9:42 AM	35:00	6.18 pH	21.70 °C	160.12 µS/cm	0.35 mg/L	2.09 NTU	23.3 mV	16.36 ft	400.00 ml/min
10/16/2024 9:47 AM	40:00	6.18 pH	21.55 °C	160.31 µS/cm	0.33 mg/L	2.18 NTU	22.4 mV	16.36 ft	400.00 ml/min
10/16/2024 9:52 AM	45:00	6.18 pH	21.54 °C	160.50 µS/cm	0.31 mg/L	1.34 NTU	21.6 mV	16.36 ft	400.00 ml/min
10/16/2024 9:57 AM	50:00	6.18 pH	21.56 °C	160.42 µS/cm	0.29 mg/L	1.25 NTU	20.1 mV	16.36 ft	400.00 ml/min
10/16/2024 10:02 AM	55:00	6.25 pH	21.75 °C	159.62 µS/cm	0.28 mg/L	0.92 NTU	17.4 mV	16.36 ft	400.00 ml/min
10/16/2024 10:07 AM	01:00:00	6.25 pH	21.76 °C	160.25 µS/cm	0.26 mg/L	0.62 NTU	16.1 mV	16.36 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-12	Sample time 1012

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/14/2024 4:44:09 PM
Project: Watson CCR APMW-13
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 3.02 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Partly cloudy, 85 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/14/2024 4:44 PM	00:00	5.32 pH	28.71 °C	2,321.9 µS/cm	4.44 mg/L		72.1 mV	3.02 ft	400.00 ml/min
10/14/2024 4:49 PM	05:00	6.02 pH	23.24 °C	5,178.5 µS/cm	0.23 mg/L	5.29 NTU	-2.1 mV	3.15 ft	400.00 ml/min
10/14/2024 4:54 PM	10:00	6.04 pH	23.12 °C	5,192.9 µS/cm	0.21 mg/L	3.73 NTU	-6.4 mV	3.15 ft	400.00 ml/min
10/14/2024 4:59 PM	15:00	6.05 pH	23.04 °C	5,201.0 µS/cm	0.18 mg/L	1.91 NTU	-8.3 mV	3.18 ft	400.00 ml/min
10/14/2024 5:04 PM	20:00	6.05 pH	22.98 °C	5,187.8 µS/cm	0.17 mg/L	2.08 NTU	-9.4 mV	3.18 ft	400.00 ml/min
10/14/2024 5:09 PM	25:00	6.05 pH	22.91 °C	5,184.8 µS/cm	0.17 mg/L	1.88 NTU	-10.1 mV	3.18 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-13	Sample time 1712

Low-Flow Test Report:

Test Date / Time: 10/14/2024 3:53:35 PM
Project: Watson CCR APMW-14
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 2.55 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Mostly sunny, 86 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/14/2024 3:53 PM	00:00	5.74 pH	29.34 °C	8,012.5 µS/cm	2.22 mg/L		-3.1 mV	2.55 ft	400.00 ml/min
10/14/2024 3:58 PM	05:00	5.98 pH	24.63 °C	8,724.0 µS/cm	0.26 mg/L	6.32 NTU	-27.9 mV	2.82 ft	400.00 ml/min
10/14/2024 4:03 PM	10:00	6.00 pH	24.51 °C	8,733.3 µS/cm	0.25 mg/L	8.13 NTU	-28.4 mV	2.82 ft	400.00 ml/min
10/14/2024 4:08 PM	15:00	6.01 pH	24.28 °C	8,690.7 µS/cm	0.21 mg/L	3.50 NTU	-28.5 mV	2.85 ft	400.00 ml/min
10/14/2024 4:13 PM	20:00	6.02 pH	24.26 °C	8,677.3 µS/cm	0.21 mg/L	0.94 NTU	-19.8 mV	2.85 ft	400.00 ml/min
10/14/2024 4:18 PM	25:00	6.02 pH	24.20 °C	8,662.9 µS/cm	0.20 mg/L	0.60 NTU	-18.9 mV	2.86 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-14	Sample time 1622

Low-Flow Test Report:

Test Date / Time: 10/14/2024 2:54:24 PM
Project: Watson CCR APMW-15
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.5 ft** **Total Depth: 25.5 ft** **Initial Depth to Water: 2.22 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.21 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 86 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/14/2024 2:54 PM	00:00	6.31 pH	26.15 °C	5,309.1 µS/cm	0.61 mg/L		-147.2 mV	2.22 ft	400.00 ml/min
10/14/2024 2:59 PM	05:00	6.52 pH	22.48 °C	8,679.7 µS/cm	0.20 mg/L	6.47 NTU	-328.9 mV	2.41 ft	400.00 ml/min
10/14/2024 3:04 PM	10:00	6.53 pH	22.11 °C	8,776.7 µS/cm	0.20 mg/L	5.72 NTU	-307.2 mV	2.43 ft	400.00 ml/min
10/14/2024 3:09 PM	15:00	6.54 pH	21.99 °C	8,744.3 µS/cm	0.18 mg/L	4.91 NTU	-305.8 mV	2.43 ft	400.00 ml/min
10/14/2024 3:14 PM	20:00	6.54 pH	21.95 °C	8,697.3 µS/cm	0.18 mg/L	0.65 NTU	-305.1 mV	2.43 ft	400.00 ml/min
10/14/2024 3:19 PM	25:00	6.54 pH	21.87 °C	8,626.3 µS/cm	0.18 mg/L	0.87 NTU	-304.3 mV	2.43 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-15	Sample time 1522

Low-Flow Test Report:

Test Date / Time: 10/14/2024 1:42:22 PM
Project: Watson CCR APMW-16
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.5 ft** **Total Depth: 24.5 ft** **Initial Depth to Water: 2.06 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:

Weather Conditions:
Sunny, 84 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/14/2024 1:42 PM	00:00	6.56 pH	22.44 °C	7,913.4 µS/cm	0.30 mg/L		-204.1 mV	2.06 ft	400.00 ml/min
10/14/2024 1:47 PM	05:00	6.55 pH	22.20 °C	8,205.4 µS/cm	0.24 mg/L	0.86 NTU	-270.6 mV	2.14 ft	400.00 ml/min
10/14/2024 1:52 PM	10:00	6.55 pH	22.05 °C	8,188.6 µS/cm	0.22 mg/L	2.21 NTU	-220.6 mV	2.14 ft	400.00 ml/min
10/14/2024 1:57 PM	15:00	6.56 pH	22.15 °C	8,383.0 µS/cm	0.22 mg/L	2.17 NTU	-227.1 mV	2.14 ft	400.00 ml/min
10/14/2024 2:02 PM	20:00	6.56 pH	22.13 °C	8,382.0 µS/cm	0.22 mg/L	1.72 NTU	-232.2 mV	2.14 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-16	Sample time 1408
DUP-01	Fake sample time 1308

Created using VuSitu from In-Situ, Inc.

Southern Company

Second Semi-Annual Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 5/29/2025 8:53:49 AM Revision 1

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-188567-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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5/29/2025 8:53:49 AM
Revision 1

Authorized for release by
Shali Brown, Project Manager II
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Job ID: 180-188567-1 — Eurofins Pittsburgh

Job Narrative
180-188567-1

052925 Revised report to remove the following samples at client request: PZ-4, TW-1, TW-2, 1D-GS, 2D-GS,4D-GD, 5D-GS, 6D-GS, 7D-GS, DUP-06, DUP-07, DUP-08. This report is one of two that replaces the report previously issued on 042525.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/2/2025 9:45 AM, 4/5/2025 9:50 AM, 4/7/2025 9:00 AM, 4/10/2025 9:20 AM and 4/12/2025 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 16 coolers at receipt time were 1.1°C, 1.2°C, 1.4°C, 1.8°C, 1.9°C, 2.2°C, 2.3°C, 2.7°C, 3.2°C, 3.6°C, 4.0°C, 5.6°C, 5.7°C, 5.7°C, 5.9°C and 5.9°C.

HPLC/IC
Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: APMW-6R (180-188567-1)and DUP-01 (180-188567-2) Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: APMW-7 (180-188756-3) and DUP-04 (180-188756-4) . Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The interference check standard solution (ICSA) associated with the following samples showed results for strontium at a level greater than 2 times the reporting limit (RL). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (ICSA 680-880434/14)

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 680-880902 recovered above the upper control limit for aluminum. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C_Calcd: Due to conductivity, initial amount of sample used was reduced. APMW-6R (180-188567-1), DUP-01 (180-188567-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Field Service / Mobile Lab
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-26
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-26
Illinois	NELAP	200005	05-06-25
Kansas	NELAP	E-10350	05-06-25
Kentucky (UST)	State	162013	04-17-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	05-06-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-25
New Hampshire	NELAP	2030	05-06-25
New Jersey	NELAP	PA005	05-06-25
New York	NELAP	11182	05-06-25
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-26
Pennsylvania	NELAP	02-00416	05-06-25
Rhode Island	State	LAO00375	12-30-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	05-06-25
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	09-14-25
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	04-20-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	05-19-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-188567-1
Project/Site: Plant Watson Ash Pond

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	05-08-25
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-188567-1	APMW-6R	Water	03/31/25 15:26	04/02/25 09:45
180-188567-2	DUP-01	Water	03/31/25 14:26	04/02/25 09:45
180-188756-1	APMW-3	Water	04/04/25 08:34	04/05/25 09:50
180-188756-2	APMW-3D	Water	04/04/25 10:02	04/05/25 09:50
180-188756-3	APMW-7	Water	04/04/25 11:35	04/05/25 09:50
180-188756-4	DUP-04	Water	04/04/25 10:35	04/05/25 09:50
180-188756-5	FB-02	Water	04/04/25 12:46	04/05/25 09:50
180-188756-6	EB-02	Water	04/04/25 12:55	04/05/25 09:50
180-188756-7	APMW-6D	Water	04/04/25 14:34	04/05/25 09:50
180-188806-1	APMW-1R	Water	04/03/25 08:54	04/07/25 09:00
180-188806-2	APMW-2	Water	04/03/25 10:59	04/07/25 09:00
180-188806-3	APMW-4	Water	04/03/25 10:34	04/07/25 09:00
180-188806-4	APMW-5	Water	04/03/25 14:15	04/07/25 09:00
180-188806-5	APMW-8	Water	04/03/25 14:00	04/07/25 09:00
180-188806-6	APMW-9	Water	04/03/25 11:57	04/07/25 09:00
180-188806-7	APMW-10	Water	04/02/25 14:35	04/07/25 09:00
180-188806-8	APMW-11	Water	04/02/25 13:38	04/07/25 09:00
180-188806-9	APMW-12	Water	04/02/25 15:19	04/07/25 09:00
180-188806-10	APMW-2D	Water	04/03/25 13:33	04/07/25 09:00
180-188806-11	APMW-4D	Water	04/03/25 08:50	04/07/25 09:00
180-188806-12	APMW-5D	Water	04/03/25 13:15	04/07/25 09:00
180-188806-13	APMW-10D	Water	04/03/25 10:30	04/07/25 09:00
180-188806-14	DUP-03	Water	04/03/25 09:34	04/07/25 09:00
180-188806-15	FB-01	Water	04/03/25 09:33	04/07/25 09:00
180-188806-16	EB-01	Water	04/03/25 09:44	04/07/25 09:00
180-188806-17	DUP-02	Water	04/02/25 13:35	04/07/25 09:00
180-188962-5	EB-03	Water	04/09/25 08:12	04/10/25 09:20
180-188962-6	FB-03	Water	04/09/25 08:02	04/10/25 09:20
180-188962-7	APMW-16	Water	04/08/25 09:45	04/10/25 09:20
180-188962-8	APMW-15	Water	04/08/25 10:57	04/10/25 09:20
180-188962-9	APMW-14	Water	04/08/25 13:03	04/10/25 09:20
180-188962-10	APMW-13	Water	04/08/25 15:27	04/10/25 09:20
180-188962-11	DUP-05	Water	04/08/25 12:03	04/10/25 09:20
180-189089-1	APMW-8D	Water	04/10/25 11:01	04/12/25 11:10
180-189089-6	FB-04	Water	04/11/25 07:46	04/12/25 11:10
180-189089-7	EB-04	Water	04/11/25 07:58	04/12/25 11:10

Method Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-6R

Date Collected: 03/31/25 15:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493246	04/04/25 22:31	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493246	04/04/25 22:50	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880458	04/08/25 12:32	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880434	04/08/25 10:10	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		20			880442	04/08/25 11:48	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880443	04/08/25 13:04	MG	EET SAV
Total/NA	Analysis	7470A		1			880522	04/08/25 16:51	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	493165	04/03/25 10:16	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493278	04/04/25 10:44	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	03/31/25 15:26	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Date Collected: 03/31/25 14:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493246	04/04/25 23:08	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493246	04/04/25 23:27	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880458	04/08/25 12:41	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880434	04/08/25 10:18	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880406	04/08/25 05:10	RR	EET SAV
Total Recoverable	Analysis	6020B		20			880442	04/08/25 11:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880443	04/08/25 13:04	MG	EET SAV
Total/NA	Analysis	7470A		1			880522	04/08/25 16:49	BCB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: DUP-01
Date Collected: 03/31/25 14:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	493165	04/03/25 10:16	EBA	EET PIT
Total/NA	Analysis	SM2320 B		1			493278	04/04/25 11:11	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: APMW-3
Date Collected: 04/04/25 08:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		20	1 mL	1 mL	493627	04/10/25 23:56	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		200	1 mL	1 mL	493627	04/11/25 00:07	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 11:19	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:49	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:19	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:03	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/04/25 08:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D
Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493627	04/10/25 23:10	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:35	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-3D

Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:14	ELS	EET PIT
Total/NA	Analysis	Field Sampling		1			494381	04/04/25 10:02	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7

Date Collected: 04/04/25 11:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493627	04/11/25 00:19	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493732	04/11/25 17:01	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 11:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:51	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:19	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/04/25 11:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04

Date Collected: 04/04/25 10:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493627	04/11/25 00:42	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493732	04/11/25 17:12	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 11:29	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:53	BWR	EET SAV
	Instrument ID: ICPMSG									

Client Sample ID: DUP-04

Lab Sample ID: 180-188756-4

Date Collected: 04/04/25 10:35

Matrix: Water

Date Received: 04/05/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:26	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: FB-02

Lab Sample ID: 180-188756-5

Date Collected: 04/04/25 12:46

Matrix: Water

Date Received: 04/05/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493627	04/11/25 02:03	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:35	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:33	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-02

Lab Sample ID: 180-188756-6

Date Collected: 04/04/25 12:55

Matrix: Water

Date Received: 04/05/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493627	04/11/25 01:51	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:40	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:38	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-6D

Date Collected: 04/04/25 14:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493627	04/11/25 02:14	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:15	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:20	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493383	04/07/25 13:14	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493396	04/07/25 09:50	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/04/25 14:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-1R

Date Collected: 04/03/25 08:54
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493438	04/09/25 06:11	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493527	04/10/25 03:32	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:52	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:51	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 15:48	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 13:00	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 08:54	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-2

Date Collected: 04/03/25 10:59
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493527	04/10/25 06:25	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493527	04/10/25 06:36	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:53	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 15:50	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:40	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 12:49	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 10:59	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4

Date Collected: 04/03/25 10:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493527	04/10/25 07:34	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493627	04/10/25 22:24	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:04	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 15:53	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:13	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-4

Date Collected: 04/03/25 10:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 09:49	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 10:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 04/03/25 14:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	493527	04/10/25 05:39	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493527	04/10/25 05:50	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:58	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 15:55	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:16	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 09:54	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 14:15	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8

Date Collected: 04/03/25 14:00
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493527	04/10/25 06:02	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493527	04/10/25 06:13	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493627	04/10/25 22:35	M1D	EET PIT
	Instrument ID: INUVION									

Client Sample ID: APMW-8

Lab Sample ID: 180-188806-5

Date Collected: 04/03/25 14:00

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:06	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 15:58	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:09	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 09:59	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 14:00	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9

Lab Sample ID: 180-188806-6

Date Collected: 04/03/25 11:57

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493627	04/10/25 14:20	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493627	04/10/25 14:31	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:13	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 16:01	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:25	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:06	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-9

Date Collected: 04/03/25 11:57
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 11:57	FDS	EET PIT

Client Sample ID: APMW-10

Date Collected: 04/02/25 14:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	1 mL	1 mL	493438	04/09/25 05:02	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		20	1 mL	1 mL	493527	04/10/25 02:58	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:16	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:11	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 16:03	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 12:53	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/02/25 14:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11

Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/09/25 06:34	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493627	04/10/25 23:44	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:14	BWR	EET SAV
	Instrument ID: ICPMSD									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-11

Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880694	04/11/25 10:33	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:04	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493564	04/09/25 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 09:36	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/02/25 13:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-12

Date Collected: 04/02/25 15:19
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/09/25 05:36	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 20:14	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:43	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:27	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 09:45	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/02/25 15:19	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2D

Date Collected: 04/03/25 13:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/10/25 05:04	M1D	EET PIT
	Instrument ID: INUVION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-2D

Date Collected: 04/03/25 13:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 10:57	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:06	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493564	04/09/25 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:21	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 13:33	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D

Date Collected: 04/03/25 08:50
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	493527	04/10/25 03:44	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	493527	04/10/25 03:55	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:00	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:46	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880694	04/11/25 09:33	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:23	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:31	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 08:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-5D

Date Collected: 04/03/25 13:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/10/25 06:48	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:03	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:48	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:59	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:37	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 13:15	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D

Date Collected: 04/03/25 10:30
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/10/25 08:43	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:51	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:43	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493564	04/09/25 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:40	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494379	04/03/25 10:30	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-188806-14

Date Collected: 04/03/25 09:34

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493527	04/10/25 07:57	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493527	04/10/25 08:09	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:09	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:54	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880694	04/11/25 09:36	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:48	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:45	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: FB-01

Lab Sample ID: 180-188806-15

Date Collected: 04/03/25 09:33

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/10/25 08:20	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:18	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880555	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880644	04/10/25 13:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 16:57	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:50	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-01

Date Collected: 04/03/25 09:44
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/10/25 04:07	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880694	04/11/25 10:35	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493564	04/09/25 11:38	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 10:54	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: DUP-02

Date Collected: 04/02/25 13:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/09/25 04:39	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	493527	04/09/25 20:26	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 12:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 15:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880666	04/10/25 16:08	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880600	04/10/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880661	04/10/25 17:11	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	493559	04/09/25 11:21	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493575	04/09/25 12:42	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-03

Lab Sample ID: 180-188962-5
Date Collected: 04/09/25 08:12
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493783	04/12/25 18:09	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:52	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 14:57	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 09:38	EBA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: FB-03

Lab Sample ID: 180-188962-6
Date Collected: 04/09/25 08:02
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493783	04/12/25 17:14	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 14:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 08:23	EBA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: APMW-16

Lab Sample ID: 180-188962-7
Date Collected: 04/08/25 09:45
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493783	04/12/25 22:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493783	04/12/25 22:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 12:04	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-16

Date Collected: 04/08/25 09:45
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:35	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:11	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 11:33	EBA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/08/25 09:45	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15

Date Collected: 04/08/25 10:57
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493783	04/12/25 22:47	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493783	04/12/25 23:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 12:06	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:37	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 11:16	EBA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/08/25 10:57	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14

Date Collected: 04/08/25 13:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493783	04/12/25 23:24	M1D	EET PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-14

Date Collected: 04/08/25 13:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50	1 mL	1 mL	493783	04/12/25 23:42	M1D	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 12:12	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:39	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:22	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 11:12	EBA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/08/25 13:03	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13

Date Collected: 04/08/25 15:27
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	1 mL	1 mL	493783	04/13/25 00:01	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		20	1 mL	1 mL	493783	04/13/25 00:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 12:16	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:41	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:25	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 11:27	EBA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/08/25 15:27	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-05

Lab Sample ID: 180-188962-11

Date Collected: 04/08/25 12:03

Matrix: Water

Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	493783	04/13/25 01:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	493783	04/13/25 01:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880902	04/15/25 12:20	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880736	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 14:43	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880840	04/15/25 11:21	MG	EET SAV
Total/NA	Analysis	7470A		1			880908	04/15/25 15:18	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	493726	04/11/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493762	04/11/25 11:22	EBA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: APMW-8D

Lab Sample ID: 180-189089-1

Date Collected: 04/10/25 11:01

Matrix: Water

Date Received: 04/12/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493891	04/16/25 01:49	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880939	04/16/25 12:13	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880984	04/16/25 14:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	881010	04/17/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			881075	04/17/25 16:03	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493820	04/14/25 08:55	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493868	04/14/25 10:39	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			494381	04/10/25 11:01	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: FB-04

Date Collected: 04/11/25 07:46
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493891	04/15/25 19:21	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880939	04/16/25 12:15	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880984	04/16/25 14:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	881010	04/17/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			881075	04/17/25 15:51	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493820	04/14/25 08:55	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493868	04/14/25 10:00	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-04

Date Collected: 04/11/25 07:58
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493891	04/15/25 19:39	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880939	04/16/25 12:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	880893	04/16/25 05:04	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880984	04/16/25 14:22	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	881010	04/17/25 11:28	MG	EET SAV
Total/NA	Analysis	7470A		1			881075	04/17/25 15:58	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493822	04/14/25 09:06	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			493868	04/14/25 10:21	ELS	EET PIT
	Instrument ID: PCTITRATOR									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Analyst References:

Lab: EET PIT

Batch Type: Analysis

EBA = Elizabeth Arbster
ELS = Edwin Shireman
FDS = Sampler Field
M1D = Maureen Donlin

Lab: EET SAV

Batch Type: Prep

MG = Michael Griffin
RR = Robert Rancourt

Batch Type: Analysis

BCB = Brian Bland
BJB = Brian Boyuk
BWR = Bryn Robertson

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-6R

Date Collected: 03/31/25 15:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		50	36	mg/L			04/04/25 22:50	50
Fluoride	<0.13		1.0	0.13	mg/L			04/04/25 22:31	5
Sulfate	820		5.0	3.8	mg/L			04/04/25 22:31	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.088	J	0.50	0.035	mg/L		04/08/25 05:10	04/08/25 10:10	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/08/25 05:10	04/08/25 10:10	1
Arsenic	0.076		0.015	0.00086	mg/L		04/08/25 05:10	04/08/25 10:10	1
Barium	0.048		0.025	0.00089	mg/L		04/08/25 05:10	04/08/25 10:10	1
Beryllium	0.0030	J	0.013	0.00020	mg/L		04/08/25 05:10	04/08/25 10:10	1
Boron	12		10	0.44	mg/L		04/08/25 05:10	04/08/25 11:48	20
Cadmium	0.00018	J	0.013	0.000078	mg/L		04/08/25 05:10	04/08/25 10:10	1
Calcium	370		2.5	0.14	mg/L		04/08/25 05:10	04/08/25 10:10	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/08/25 05:10	04/08/25 10:10	1
Cobalt	0.018		0.013	0.00022	mg/L		04/08/25 05:10	04/08/25 10:10	1
Iron	170		0.50	0.012	mg/L		04/08/25 05:10	04/08/25 10:10	1
Lead	0.00035	J	0.013	0.00021	mg/L		04/08/25 05:10	04/08/25 10:10	1
Lithium	0.057		0.025	0.0020	mg/L		04/08/25 05:10	04/08/25 12:32	1
Magnesium	130		1.3	0.023	mg/L		04/08/25 05:10	04/08/25 10:10	1
Manganese	4.8		0.025	0.0022	mg/L		04/08/25 05:10	04/08/25 10:10	1
Molybdenum	0.099		0.075	0.00086	mg/L		04/08/25 05:10	04/08/25 10:10	1
Potassium	21		5.0	0.044	mg/L		04/08/25 05:10	04/08/25 10:10	1
Selenium	0.0016	J	0.013	0.00099	mg/L		04/08/25 05:10	04/08/25 10:10	1
Sodium	1900		50	4.0	mg/L		04/08/25 05:10	04/08/25 11:48	20
Strontium	3.7	^6+	0.0050	0.00019	mg/L		04/08/25 05:10	04/08/25 10:10	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/08/25 05:10	04/08/25 10:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/08/25 13:04	04/08/25 16:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7300		100	100	mg/L			04/03/25 10:16	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	31		5.0	5.0	mg/L			04/04/25 10:44	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	31		5.0	5.0	mg/L			04/04/25 10:44	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/25 10:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.48				SU			03/31/25 15:26	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: DUP-01
Date Collected: 03/31/25 14:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-2
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		50	36	mg/L			04/04/25 23:27	50
Fluoride	<0.13		1.0	0.13	mg/L			04/04/25 23:08	5
Sulfate	800		5.0	3.8	mg/L			04/04/25 23:08	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.091	J	0.50	0.035	mg/L		04/08/25 05:10	04/08/25 10:18	1
Antimony	0.00044	J	0.025	0.00034	mg/L		04/08/25 05:10	04/08/25 10:18	1
Arsenic	0.075		0.015	0.00086	mg/L		04/08/25 05:10	04/08/25 10:18	1
Barium	0.049		0.025	0.00089	mg/L		04/08/25 05:10	04/08/25 10:18	1
Beryllium	0.0033	J	0.013	0.00020	mg/L		04/08/25 05:10	04/08/25 10:18	1
Boron	13		10	0.44	mg/L		04/08/25 05:10	04/08/25 11:56	20
Cadmium	0.00014	J	0.013	0.000078	mg/L		04/08/25 05:10	04/08/25 10:18	1
Calcium	370		2.5	0.14	mg/L		04/08/25 05:10	04/08/25 10:18	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/08/25 05:10	04/08/25 10:18	1
Cobalt	0.018		0.013	0.00022	mg/L		04/08/25 05:10	04/08/25 10:18	1
Iron	170		0.50	0.012	mg/L		04/08/25 05:10	04/08/25 10:18	1
Lead	0.00039	J	0.013	0.00021	mg/L		04/08/25 05:10	04/08/25 10:18	1
Lithium	0.060		0.025	0.0020	mg/L		04/08/25 05:10	04/08/25 12:41	1
Magnesium	130		1.3	0.023	mg/L		04/08/25 05:10	04/08/25 10:18	1
Manganese	4.8		0.025	0.0022	mg/L		04/08/25 05:10	04/08/25 10:18	1
Molybdenum	0.099		0.075	0.00086	mg/L		04/08/25 05:10	04/08/25 10:18	1
Potassium	22		5.0	0.044	mg/L		04/08/25 05:10	04/08/25 10:18	1
Selenium	0.0014	J	0.013	0.00099	mg/L		04/08/25 05:10	04/08/25 10:18	1
Sodium	2000		50	4.0	mg/L		04/08/25 05:10	04/08/25 11:56	20
Strontium	3.5	^6+	0.0050	0.00019	mg/L		04/08/25 05:10	04/08/25 10:18	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/08/25 05:10	04/08/25 10:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/08/25 13:04	04/08/25 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7200		100	100	mg/L			04/03/25 10:16	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	28		5.0	5.0	mg/L			04/04/25 11:11	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	28		5.0	5.0	mg/L			04/04/25 11:11	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/25 11:11	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-3
Date Collected: 04/04/25 08:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-1
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8700**		200	140	mg/L			04/11/25 00:07	200
Fluoride	<0.52		4.0	0.52	mg/L			04/10/25 23:56	20
Sulfate	**960**		20	15	mg/L			04/10/25 23:56	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:49	1
Arsenic	**0.078**		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:49	1
Barium	**0.098**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:49	1
Beryllium	**0.00021**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:49	1
Boron	**4.5**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 11:19	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:49	1
Calcium	**260**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:49	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:49	1
Cobalt	**0.0047**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:49	1
Iron	**8.3**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:49	1
Potassium	**140**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:49	1
Magnesium	**500**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:49	1
Manganese	**0.41**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:49	1
Molybdenum	**0.052**	**J**	0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:49	1
Sodium	**4900**		25	2.0	mg/L		04/14/25 04:49	04/15/25 11:19	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:49	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:49	1
Selenium	**0.0019**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:49	1
Strontium	**6.7**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:49	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:49	1
Lithium	**0.095**		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**15000**		200	200	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/07/25 09:03	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/07/25 09:03	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.49**				SU			04/04/25 08:34	1

Client Sample ID: APMW-3D

Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		1.0	0.71	mg/L			04/10/25 23:10	1
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			04/10/25 23:10	1
Sulfate	**5.1**		1.0	0.76	mg/L			04/10/25 23:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:25	1
Arsenic	**0.0034**	**J**	0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:25	1
Barium	**0.15**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:25	1
Boron	**0.073**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:25	1
Calcium	**9.5**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:25	1
Cobalt	**0.00034**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:25	1
Iron	**0.94**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:25	1
Potassium	**2.0**	**J**	5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:25	1
Magnesium	**2.5**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:25	1
Manganese	**0.091**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:25	1
Molybdenum	**0.00093**	**J**	0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:25	1
Sodium	**33**		2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:25	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:25	1
Strontium	**0.24**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:25	1
Lithium	**0.011**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		10	10	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**84**		5.0	5.0	mg/L			04/07/25 09:14	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**84**		5.0	5.0	mg/L			04/07/25 09:14	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.84**				SU			04/04/25 10:02	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-7

Date Collected: 04/04/25 11:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4800**		100	71	mg/L			04/11/25 17:01	100
Fluoride	<0.13		1.0	0.13	mg/L			04/11/25 00:19	5
Sulfate	**71**		5.0	3.8	mg/L			04/11/25 00:19	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:51	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:51	1
Barium	**0.58**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:51	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:51	1
Boron	**0.97**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 11:27	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:51	1
Calcium	**110**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:51	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:51	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:51	1
Iron	**1.3**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:51	1
Potassium	**54**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:51	1
Magnesium	**300**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:51	1
Manganese	**0.069**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:51	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:51	1
Sodium	**2600**		25	2.0	mg/L		04/14/25 04:49	04/15/25 11:27	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:51	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:51	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:51	1
Strontium	**2.0**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:51	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:51	1
Lithium	**0.023**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7500**		100	100	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**610**		5.0	5.0	mg/L			04/07/25 09:19	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**610**		5.0	5.0	mg/L			04/07/25 09:19	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.35**				SU			04/04/25 11:35	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: DUP-04

Date Collected: 04/04/25 10:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5000**		100	71	mg/L			04/11/25 17:12	100
Fluoride	<0.13		1.0	0.13	mg/L			04/11/25 00:42	5
Sulfate	**72**		5.0	3.8	mg/L			04/11/25 00:42	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:53	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:53	1
Barium	**0.56**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:53	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:53	1
Boron	**1.1**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 11:29	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:53	1
Calcium	**100**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:53	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:53	1
Iron	**1.2**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:53	1
Potassium	**51**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:53	1
Magnesium	**280**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:53	1
Manganese	**0.066**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:53	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:53	1
Sodium	**2500**		25	2.0	mg/L		04/14/25 04:49	04/15/25 11:29	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:53	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:53	1
Strontium	**2.0**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:53	1
Lithium	**0.022**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7600**		100	100	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**610**		5.0	5.0	mg/L			04/07/25 09:26	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**610**		5.0	5.0	mg/L			04/07/25 09:26	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:26	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: FB-02

Date Collected: 04/04/25 12:46
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/11/25 02:03	1
Fluoride	<0.026		0.20	0.026	mg/L			04/11/25 02:03	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/25 02:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:35	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:35	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:35	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:35	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:35	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:35	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:35	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:35	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:35	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:35	1
Potassium	<0.044		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:35	1
Magnesium	**0.11**	**J**	1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:35	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:35	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:35	1
Sodium	**0.97**	**J**	2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:35	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:35	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:35	1
Selenium	**0.0015**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:35	1
Strontium	**0.00073**	**J**	0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:35	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:35	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:33	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:33	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:33	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-02

Date Collected: 04/04/25 12:55
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/11/25 01:51	1
Fluoride	<0.026		0.20	0.026	mg/L			04/11/25 01:51	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/25 01:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:21	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:21	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:21	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:21	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:21	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:21	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:21	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:21	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:21	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:21	1
Potassium	**0.068**	**J**	5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:21	1
Magnesium	**0.18**	**J**	1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:21	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:21	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:21	1
Sodium	**1.9**	**J**	2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:21	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:21	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:21	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:21	1
Strontium	**0.0023**	**J**	0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:21	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:21	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:38	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:38	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-6D

Date Collected: 04/04/25 14:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53**		1.0	0.71	mg/L			04/11/25 02:14	1
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			04/11/25 02:14	1
Sulfate	**14**		1.0	0.76	mg/L			04/11/25 02:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:15	1
Arsenic	**0.0064**	**J**	0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:15	1
Barium	**0.17**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:15	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:15	1
Boron	**0.061**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:15	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:15	1
Calcium	**22**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:15	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:15	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:15	1
Iron	**1.3**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:15	1
Potassium	**3.9**	**J**	5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:15	1
Magnesium	**2.0**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:15	1
Manganese	**0.22**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:15	1
Molybdenum	**0.0023**	**J**	0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:15	1
Sodium	**46**		2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:15	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:15	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:15	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:15	1
Strontium	**0.41**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:15	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:15	1
Lithium	**0.0090**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**210**		10	10	mg/L			04/07/25 13:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**84**		5.0	5.0	mg/L			04/07/25 09:50	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**84**		5.0	5.0	mg/L			04/07/25 09:50	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/07/25 09:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.86**				SU			04/04/25 14:34	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-1R

Date Collected: 04/03/25 08:54
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		50	36	mg/L			04/10/25 03:32	50
Fluoride	<0.13		1.0	0.13	mg/L			04/09/25 06:11	5
Sulfate	<3.8		5.0	3.8	mg/L			04/09/25 06:11	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 14:51	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 14:51	1
Barium	**1.8**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 14:51	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 14:51	1
Boron	**6.5**		5.0	0.22	mg/L		04/10/25 05:34	04/10/25 15:48	10
Cadmium	**0.00015**	**J**	0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 14:51	1
Calcium	**190**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 14:51	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 14:51	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 14:51	1
Iron	**65**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 14:51	1
Potassium	**58**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 14:51	1
Magnesium	**73**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 14:51	1
Manganese	**0.21**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 14:51	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 14:51	1
Sodium	**1500**		25	2.0	mg/L		04/10/25 05:34	04/10/25 15:48	10
Lead	**0.0012**	**J**	0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 14:51	1
Antimony	**0.00057**	**J**	0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 14:51	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 14:51	1
Strontium	**1.7**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 14:51	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 14:51	1
Lithium	**0.013**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4200**		50	50	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**360**		5.0	5.0	mg/L			04/09/25 13:00	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**360**		5.0	5.0	mg/L			04/09/25 13:00	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.36**				SU			04/03/25 08:54	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-2

Date Collected: 04/03/25 10:59
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		50	36	mg/L			04/10/25 06:36	50
Fluoride	<0.13		1.0	0.13	mg/L			04/10/25 06:25	5
Sulfate	**3.8**	**J**	5.0	3.8	mg/L			04/10/25 06:25	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 14:53	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 14:53	1
Barium	**4.4**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 14:53	1
Beryllium	**0.00032**	**J**	0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 14:53	1
Boron	**3.3**	**J**	5.0	0.22	mg/L		04/10/25 05:34	04/10/25 15:50	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 14:53	1
Calcium	**330**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 14:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 14:53	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 14:53	1
Iron	**190**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 14:53	1
Potassium	**32**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 14:53	1
Magnesium	**69**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 14:53	1
Manganese	**1.5**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 14:53	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 14:53	1
Sodium	**930**		25	2.0	mg/L		04/10/25 05:34	04/10/25 15:50	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 14:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 14:53	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 14:53	1
Strontium	**3.3**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 14:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 14:53	1
Lithium	**0.031**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4000**		40	40	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**91**		5.0	5.0	mg/L			04/09/25 12:49	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**91**		5.0	5.0	mg/L			04/09/25 12:49	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 12:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.97**				SU			04/03/25 10:59	1

Client Sample ID: APMW-4

Date Collected: 04/03/25 10:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		100	71	mg/L			04/10/25 22:24	100
Fluoride	**0.31**	**J**	1.0	0.13	mg/L			04/10/25 07:34	5
Sulfate	**180**		5.0	3.8	mg/L			04/10/25 07:34	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 14:56	1
Arsenic	**0.0038**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 14:56	1
Barium	**0.16**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 14:56	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 14:56	1
Boron	**1.0**	**J**	5.0	0.22	mg/L		04/10/25 05:34	04/10/25 15:53	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 14:56	1
Calcium	**110**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 14:56	1
Chromium	**0.0034**	**J**	0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 14:56	1
Cobalt	**0.0031**	**J**	0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 14:56	1
Iron	**2.4**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 14:56	1
Potassium	**42**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 14:56	1
Magnesium	**140**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 14:56	1
Manganese	**1.8**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 14:56	1
Molybdenum	**0.0025**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 14:56	1
Sodium	**1200**		25	2.0	mg/L		04/10/25 05:34	04/10/25 15:53	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 14:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 14:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 14:56	1
Strontium	**1.8**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 14:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 14:56	1
Lithium	**0.033**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3700**		40	40	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/09/25 09:49	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/09/25 09:49	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 09:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.31**				SU			04/03/25 10:34	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-5

Date Collected: 04/03/25 14:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6600**		100	71	mg/L			04/10/25 05:50	100
Fluoride	<0.26		2.0	0.26	mg/L			04/10/25 05:39	10
Sulfate	**590**		10	7.6	mg/L			04/10/25 05:39	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 14:58	1
Arsenic	**0.21**		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 14:58	1
Barium	**0.10**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 14:58	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 14:58	1
Boron	**6.7**		5.0	0.22	mg/L		04/10/25 05:34	04/10/25 15:55	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 14:58	1
Calcium	**230**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 14:58	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 14:58	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 14:58	1
Iron	**22**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 14:58	1
Potassium	**100**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 14:58	1
Magnesium	**330**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 14:58	1
Manganese	**0.43**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 14:58	1
Molybdenum	**0.21**		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 14:58	1
Sodium	**3700**		25	2.0	mg/L		04/10/25 05:34	04/10/25 15:55	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 14:58	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 14:58	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 14:58	1
Strontium	**3.7**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 14:58	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 14:58	1
Lithium	**0.026**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**12000**		200	200	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**260**		5.0	5.0	mg/L			04/09/25 09:54	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**260**		5.0	5.0	mg/L			04/09/25 09:54	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 09:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.33**				SU			04/03/25 14:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-8

Date Collected: 04/03/25 14:00
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4100**		100	71	mg/L			04/10/25 22:35	100
Fluoride	**0.47**	**J**	1.0	0.13	mg/L			04/10/25 06:02	5
Sulfate	**570**		50	38	mg/L			04/10/25 06:13	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:06	1
Arsenic	**0.028**		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:06	1
Barium	**0.22**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:06	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:06	1
Boron	**19**		5.0	0.22	mg/L		04/10/25 05:34	04/10/25 15:58	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:06	1
Calcium	**490**		25	1.4	mg/L		04/10/25 05:34	04/10/25 15:58	10
Chromium	**0.0013**	**J**	0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:06	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:06	1
Iron	**5.1**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:06	1
Potassium	**82**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:06	1
Magnesium	**97**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:06	1
Manganese	**0.16**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:06	1
Molybdenum	**0.21**		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:06	1
Sodium	**2100**		25	2.0	mg/L		04/10/25 05:34	04/10/25 15:58	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:06	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:06	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:06	1
Strontium	**4.9**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:06	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:06	1
Lithium	**0.048**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7300**		100	100	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**350**		5.0	5.0	mg/L			04/09/25 09:59	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**350**		5.0	5.0	mg/L			04/09/25 09:59	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 09:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.69**				SU			04/03/25 14:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-9

Date Collected: 04/03/25 11:57
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		50	36	mg/L			04/10/25 14:31	50
Fluoride	<0.13		1.0	0.13	mg/L			04/10/25 14:20	5
Sulfate	**190**		5.0	3.8	mg/L			04/10/25 14:20	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:09	1
Arsenic	**0.00096**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:09	1
Barium	**0.60**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:09	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:09	1
Boron	**8.2**		5.0	0.22	mg/L		04/10/25 05:34	04/10/25 16:01	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:09	1
Calcium	**280**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 15:09	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:09	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:09	1
Iron	**23**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:09	1
Potassium	**68**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:09	1
Magnesium	**82**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:09	1
Manganese	**0.24**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:09	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:09	1
Sodium	**1700**		25	2.0	mg/L		04/10/25 05:34	04/10/25 16:01	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:09	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:09	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:09	1
Strontium	**2.2**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:09	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:09	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5300**		50	50	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**300**		5.0	5.0	mg/L			04/09/25 10:06	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**300**		5.0	5.0	mg/L			04/09/25 10:06	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.32**				SU			04/03/25 11:57	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-10

Date Collected: 04/02/25 14:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**510**		20	14	mg/L			04/10/25 02:58	20
Fluoride	<0.052		0.40	0.052	mg/L			04/09/25 05:02	2
Sulfate	<1.5		2.0	1.5	mg/L			04/09/25 05:02	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:11	1
Arsenic	**0.028**		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:11	1
Barium	**0.31**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:11	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:11	1
Boron	**2.9**	**J**	5.0	0.22	mg/L		04/10/25 05:34	04/10/25 16:03	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:11	1
Calcium	**35**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 15:11	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:11	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:11	1
Iron	**5.5**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:11	1
Potassium	**21**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:11	1
Magnesium	**31**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:11	1
Manganese	**0.078**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:11	1
Molybdenum	**0.022**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:11	1
Sodium	**380**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 15:11	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:11	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:11	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:11	1
Strontium	**0.36**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:11	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:11	1
Lithium	**0.0042**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		20	20	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**510**		5.0	5.0	mg/L			04/09/25 12:53	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**510**		5.0	5.0	mg/L			04/09/25 12:53	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 12:53	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.84**				SU			04/02/25 14:35	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-11
Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.3**		1.0	0.71	mg/L			04/10/25 23:44	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 06:34	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 06:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:14	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:14	1
Barium	**0.036**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:14	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:14	1
Boron	**0.038**	**J**	0.50	0.022	mg/L		04/10/25 05:34	04/11/25 10:33	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:14	1
Calcium	**10**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 15:14	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:14	1
Cobalt	**0.00065**	**J**	0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:14	1
Iron	**1.9**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:14	1
Potassium	**1.2**	**J**	5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:14	1
Magnesium	**1.5**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:14	1
Manganese	**0.036**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:14	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:14	1
Sodium	**7.4**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 15:14	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:14	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:14	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:14	1
Strontium	**0.041**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:14	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:14	1
Lithium	**0.0056**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**67**		10	10	mg/L			04/09/25 11:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**48**		5.0	5.0	mg/L			04/09/25 09:36	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**48**		5.0	5.0	mg/L			04/09/25 09:36	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 09:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.29**				SU			04/02/25 13:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-12

Date Collected: 04/02/25 15:19
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.71	mg/L			04/09/25 20:14	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 05:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 05:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 14:27	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 14:27	1
Barium	**0.070**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 14:27	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 14:27	1
Boron	**0.033**	**J**	0.50	0.022	mg/L		04/10/25 05:34	04/10/25 14:27	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 14:27	1
Calcium	**12**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 14:27	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 14:27	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 14:27	1
Iron	**3.4**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 14:27	1
Potassium	**1.8**	**J**	5.0	0.044	mg/L		04/10/25 05:34	04/10/25 14:27	1
Magnesium	**2.5**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 14:27	1
Manganese	**0.088**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 14:27	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 14:27	1
Sodium	**17**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 14:27	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 14:27	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 14:27	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 14:27	1
Strontium	**0.064**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 14:27	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 14:27	1
Lithium	**0.011**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**67**		5.0	5.0	mg/L			04/09/25 09:45	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**67**		5.0	5.0	mg/L			04/09/25 09:45	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 09:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.32**				SU			04/02/25 15:19	1

Client Sample ID: APMW-2D

Date Collected: 04/03/25 13:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.71	mg/L			04/10/25 05:04	1
Fluoride	**0.14**	**J**	0.20	0.026	mg/L			04/10/25 05:04	1
Sulfate	**3.5**		1.0	0.76	mg/L			04/10/25 05:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:38	1
Arsenic	**0.0020**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:38	1
Barium	**0.070**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:38	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:38	1
Boron	**0.079**	**J**	0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:38	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:38	1
Calcium	**3.0**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:38	1
Chromium	**0.0024**	**J**	0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:38	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:38	1
Iron	**0.45**	**J**	0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:38	1
Potassium	**1.7**	**J**	5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:38	1
Magnesium	**1.1**	**J**	1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:38	1
Manganese	**0.076**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:38	1
Molybdenum	**0.0011**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:38	1
Sodium	**40**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 13:38	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:38	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:38	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:38	1
Strontium	**0.087**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:38	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:38	1
Lithium	**0.0064**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 10:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/09/25 11:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**93**		5.0	5.0	mg/L			04/09/25 10:21	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**93**		5.0	5.0	mg/L			04/09/25 10:21	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.62**				SU			04/03/25 13:33	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-4D

Date Collected: 04/03/25 08:50
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7300**		100	71	mg/L			04/10/25 03:55	100
Fluoride	<0.26		2.0	0.26	mg/L			04/10/25 03:44	10
Sulfate	**730**		10	7.6	mg/L			04/10/25 03:44	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:46	1
Arsenic	**0.0042**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:46	1
Barium	**0.077**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:46	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:46	1
Boron	**3.3**		0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:46	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:46	1
Calcium	**220**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:46	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:46	1
Cobalt	**0.0089**	**J**	0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:46	1
Iron	**5.2**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:46	1
Potassium	**140**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:46	1
Magnesium	**440**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:46	1
Manganese	**0.68**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:46	1
Molybdenum	**0.15**		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:46	1
Sodium	**4200**		25	2.0	mg/L		04/10/25 05:34	04/11/25 09:33	10
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:46	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:46	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:46	1
Strontium	**4.3**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:46	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:46	1
Lithium	**0.056**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**15000**		200	200	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/09/25 10:31	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/09/25 10:31	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.69**				SU			04/03/25 08:50	1

Client Sample ID: APMW-5D

Date Collected: 04/03/25 13:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-12

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.7**		1.0	0.71	mg/L			04/10/25 06:48	1
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			04/10/25 06:48	1
Sulfate	**4.5**		1.0	0.76	mg/L			04/10/25 06:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.11**	**J**	0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:48	1
Arsenic	**0.018**		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:48	1
Barium	**0.036**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:48	1
Boron	**0.082**	**J**	0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:48	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:48	1
Calcium	**0.91**	**J**	2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:48	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:48	1
Cobalt	**0.00027**	**J**	0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:48	1
Iron	**1.0**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:48	1
Potassium	**3.4**	**J**	5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:48	1
Magnesium	**0.71**	**J**	1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:48	1
Manganese	**0.025**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:48	1
Molybdenum	**0.0011**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:48	1
Sodium	**37**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 13:48	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:48	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:48	1
Strontium	**0.019**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:48	1
Lithium	**0.0048**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	10	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**75**		5.0	5.0	mg/L			04/09/25 10:37	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**75**		5.0	5.0	mg/L			04/09/25 10:37	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.63**				SU			04/03/25 13:15	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-10D

Date Collected: 04/03/25 10:30
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.71	mg/L			04/10/25 08:43	1
Fluoride	**0.16**	**J**	0.20	0.026	mg/L			04/10/25 08:43	1
Sulfate	**4.7**		1.0	0.76	mg/L			04/10/25 08:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.039**	**J**	0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:51	1
Arsenic	**0.0071**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:51	1
Barium	**0.026**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:51	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:51	1
Boron	**0.13**	**J**	0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:51	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:51	1
Calcium	**2.4**	**J**	2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:51	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:51	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:51	1
Iron	**0.023**	**J**	0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:51	1
Potassium	**1.4**	**J**	5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:51	1
Magnesium	**0.30**	**J**	1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:51	1
Manganese	**0.0087**	**J**	0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:51	1
Molybdenum	**0.0026**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:51	1
Sodium	**52**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 13:51	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:51	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:51	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:51	1
Strontium	**0.062**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:51	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:51	1
Lithium	**0.0082**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/09/25 11:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/09/25 10:40	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/09/25 10:40	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**				SU			04/03/25 10:30	1

Client Sample ID: DUP-03

Date Collected: 04/03/25 09:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-14

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		50	36	mg/L			04/10/25 08:09	50
Fluoride	**0.29**	**J**	1.0	0.13	mg/L			04/10/25 07:57	5
Sulfate	**180**		5.0	3.8	mg/L			04/10/25 07:57	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:54	1
Arsenic	**0.0035**	**J**	0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:54	1
Barium	**0.15**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:54	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:54	1
Boron	**0.76**		0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:54	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:54	1
Calcium	**110**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:54	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:54	1
Cobalt	**0.0029**	**J**	0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:54	1
Iron	**2.3**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:54	1
Potassium	**40**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:54	1
Magnesium	**140**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:54	1
Manganese	**1.8**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:54	1
Molybdenum	**0.0024**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:54	1
Sodium	**1200**		25	2.0	mg/L		04/10/25 05:34	04/11/25 09:36	10
Lead	**0.00022**	**J**	0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:54	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:54	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:54	1
Strontium	**1.8**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:54	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:54	1
Lithium	**0.031**		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4800**		40	40	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/09/25 10:45	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/09/25 10:45	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:45	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: FB-01

Date Collected: 04/03/25 09:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/25 08:20	1
Fluoride	**0.030**	**J**	0.20	0.026	mg/L			04/10/25 08:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/25 08:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:56	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:56	1
Barium	<0.00089		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:56	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:56	1
Boron	<0.022		0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:56	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:56	1
Calcium	<0.14		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:56	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:56	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:56	1
Iron	<0.012		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:56	1
Potassium	<0.044		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:56	1
Magnesium	**0.032**	**J**	1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:56	1
Manganese	**0.011**	**J**	0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:56	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:56	1
Sodium	**0.29**	**J**	2.5	0.20	mg/L		04/10/25 05:34	04/10/25 13:56	1
Lead	**0.00022**	**J**	0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:56	1
Strontium	**0.00034**	**J**	0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:56	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:50	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:50	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:50	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-01

Date Collected: 04/03/25 09:44
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-16

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/25 04:07	1
Fluoride	<0.026		0.20	0.026	mg/L			04/10/25 04:07	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/25 04:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:22	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:22	1
Barium	<0.00089		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:22	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:22	1
Boron	<0.022		0.50	0.022	mg/L		04/10/25 05:34	04/11/25 10:35	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:22	1
Calcium	<0.14		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 15:22	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:22	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:22	1
Iron	<0.012		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:22	1
Potassium	<0.044		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:22	1
Magnesium	<0.023		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:22	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:22	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:22	1
Sodium	<0.20		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 15:22	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:22	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:22	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:22	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:22	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:22	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/09/25 11:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:54	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:54	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 10:54	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: DUP-02
Date Collected: 04/02/25 13:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-17
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**500**		10	7.1	mg/L			04/09/25 20:26	10
Fluoride	**0.61**		0.20	0.026	mg/L			04/09/25 04:39	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 04:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 15:19	1
Arsenic	**0.029**		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 15:19	1
Barium	**0.32**		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 15:19	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 15:19	1
Boron	**2.7**	**J**	5.0	0.22	mg/L		04/10/25 05:34	04/10/25 16:08	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 15:19	1
Calcium	**37**		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 15:19	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 15:19	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 15:19	1
Iron	**5.7**		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 15:19	1
Potassium	**22**		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 15:19	1
Magnesium	**32**		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 15:19	1
Manganese	**0.081**		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 15:19	1
Molybdenum	**0.023**	**J**	0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 15:19	1
Sodium	**400**		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 15:19	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 15:19	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 15:19	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 15:19	1
Strontium	**0.37**		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 15:19	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 15:19	1
Lithium	**0.0029**	**J**	0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 12:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		20	20	mg/L			04/09/25 11:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**510**		5.0	5.0	mg/L			04/09/25 12:42	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**510**		5.0	5.0	mg/L			04/09/25 12:42	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-03
Date Collected: 04/09/25 08:12
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-5
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/12/25 18:09	1
Fluoride	**0.044**	**J**	0.20	0.026	mg/L			04/12/25 18:09	1
Sulfate	<0.76		1.0	0.76	mg/L			04/12/25 18:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:52	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:52	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:52	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:52	1
Boron	**0.022**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:52	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:52	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:52	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:52	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:52	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:52	1
Potassium	<0.044		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:52	1
Magnesium	<0.023		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:52	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:52	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:52	1
Sodium	**0.40**	**J**	2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:52	1
Lead	**0.00026**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:52	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:52	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:52	1
Strontium	**0.00054**	**J**	0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:52	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:52	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 09:38	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 09:38	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 09:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: FB-03

Date Collected: 04/09/25 08:02
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/12/25 17:14	1
Fluoride	**0.29**		0.20	0.026	mg/L			04/12/25 17:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/12/25 17:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:23	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:23	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:23	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:23	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:23	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:23	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:23	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:23	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:23	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:23	1
Potassium	<0.044		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:23	1
Magnesium	<0.023		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:23	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:23	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:23	1
Sodium	<0.20		2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:23	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:23	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:23	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:23	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:23	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:23	1
Lithium	**0.0027**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 08:23	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 08:23	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 08:23	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-16

Date Collected: 04/08/25 09:45
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		50	36	mg/L			04/12/25 22:28	50
Fluoride	**0.17**	**J**	1.0	0.13	mg/L			04/12/25 22:10	5
Sulfate	**99**		5.0	3.8	mg/L			04/12/25 22:10	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:35	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:35	1
Barium	**0.055**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:35	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:35	1
Boron	**0.75**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 12:04	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:35	1
Calcium	**56**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:35	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:35	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:35	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:35	1
Potassium	**48**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:35	1
Magnesium	**170**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:35	1
Manganese	**0.16**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:35	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:35	1
Sodium	**1600**		25	2.0	mg/L		04/14/25 04:49	04/15/25 12:04	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:35	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:35	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:35	1
Strontium	**0.99**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:35	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:35	1
Lithium	**0.013**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4500**		50	50	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**340**		5.0	5.0	mg/L			04/11/25 11:33	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**340**		5.0	5.0	mg/L			04/11/25 11:33	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 11:33	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.6**				SU			04/08/25 09:45	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-15

Date Collected: 04/08/25 10:57
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		50	36	mg/L			04/12/25 23:05	50
Fluoride	**0.19**	**J**	1.0	0.13	mg/L			04/12/25 22:47	5
Sulfate	**100**		5.0	3.8	mg/L			04/12/25 22:47	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:37	1
Arsenic	**0.00091**	**J**	0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:37	1
Barium	**0.045**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:37	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:37	1
Boron	**0.68**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 12:06	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:37	1
Calcium	**60**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:37	1
Chromium	**0.0015**	**J**	0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:37	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:37	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:37	1
Potassium	**50**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:37	1
Magnesium	**180**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:37	1
Manganese	**0.13**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:37	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:37	1
Sodium	**1700**		25	2.0	mg/L		04/14/25 04:49	04/15/25 12:06	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:37	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:37	1
Selenium	**0.0017**	**J**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:37	1
Strontium	**1.1**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:37	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:37	1
Lithium	**0.027**	**B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4900**		50	50	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**350**		5.0	5.0	mg/L			04/11/25 11:16	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**350**		5.0	5.0	mg/L			04/11/25 11:16	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 11:16	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.63**				SU			04/08/25 10:57	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-14

Date Collected: 04/08/25 13:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		50	36	mg/L			04/12/25 23:42	50
Fluoride	**0.19**	**J**	1.0	0.13	mg/L			04/12/25 23:24	5
Sulfate	**1200**		50	38	mg/L			04/12/25 23:42	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:39	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:39	1
Barium	**0.20**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:39	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:39	1
Boron	**0.82**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 12:12	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:39	1
Calcium	**150**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:39	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:39	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:39	1
Iron	**90**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:39	1
Potassium	**57**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:39	1
Magnesium	**310**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:39	1
Manganese	**1.6**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:39	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:39	1
Sodium	**1700**		25	2.0	mg/L		04/14/25 04:49	04/15/25 12:12	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:39	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:39	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:39	1
Strontium	**2.2**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:39	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:39	1
Lithium	**0.015**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5700**		67	67	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/25 11:12	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/25 11:12	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 11:12	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.08**				SU			04/08/25 13:03	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-13

Date Collected: 04/08/25 15:27
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		20	14	mg/L			04/13/25 00:19	20
Fluoride	**0.18**	**J**	0.40	0.052	mg/L			04/13/25 00:01	2
Sulfate	**830**		20	15	mg/L			04/13/25 00:19	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:41	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:41	1
Barium	**0.20**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:41	1
Beryllium	**0.00024**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:41	1
Boron	**0.60**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 12:16	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:41	1
Calcium	**95**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:41	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:41	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:41	1
Iron	**39**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:41	1
Potassium	**45**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:41	1
Magnesium	**180**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:41	1
Manganese	**1.2**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:41	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:41	1
Sodium	**950**		25	2.0	mg/L		04/14/25 04:49	04/15/25 12:16	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:41	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:41	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:41	1
Strontium	**1.3**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:41	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:41	1
Lithium	**0.014**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3400**		40	40	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**190**		5.0	5.0	mg/L			04/11/25 11:27	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**190**		5.0	5.0	mg/L			04/11/25 11:27	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 11:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.17**				SU			04/08/25 15:27	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: DUP-05

Date Collected: 04/08/25 12:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		50	36	mg/L			04/13/25 01:33	50
Fluoride	**0.16**	**J**	1.0	0.13	mg/L			04/13/25 01:15	5
Sulfate	**1200**		50	38	mg/L			04/13/25 01:33	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035	^+	0.50	0.035	mg/L		04/14/25 04:49	04/15/25 14:43	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:43	1
Barium	**0.20**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:43	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:43	1
Boron	**0.77**	**J**	5.0	0.22	mg/L		04/14/25 04:49	04/15/25 12:20	10
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:43	1
Calcium	**150**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:43	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:43	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:43	1
Iron	**90**		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 14:43	1
Potassium	**59**		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 14:43	1
Magnesium	**310**		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 14:43	1
Manganese	**1.6**		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 14:43	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:43	1
Sodium	**1800**		25	2.0	mg/L		04/14/25 04:49	04/15/25 12:20	10
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:43	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:43	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:43	1
Strontium	**2.2**		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 14:43	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:43	1
Lithium	**0.0089**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/15/25 11:21	04/15/25 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5800**		67	67	mg/L			04/11/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/25 11:22	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/25 11:22	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/25 11:22	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: APMW-8D

Date Collected: 04/10/25 11:01
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12**		1.0	0.71	mg/L			04/16/25 01:49	1
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			04/16/25 01:49	1
Sulfate	**7.0**		1.0	0.76	mg/L			04/16/25 01:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/16/25 05:04	04/16/25 12:13	1
Arsenic	**0.0036**	**J**	0.015	0.00086	mg/L		04/16/25 05:04	04/16/25 12:13	1
Barium	**0.069**		0.025	0.00089	mg/L		04/16/25 05:04	04/16/25 12:13	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/16/25 05:04	04/16/25 12:13	1
Boron	**0.093**	**J B**	0.50	0.022	mg/L		04/16/25 05:04	04/16/25 14:28	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/16/25 05:04	04/16/25 12:13	1
Calcium	**6.3**		2.5	0.14	mg/L		04/16/25 05:04	04/16/25 12:13	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/16/25 05:04	04/16/25 12:13	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/16/25 05:04	04/16/25 12:13	1
Iron	**4.4**		0.50	0.012	mg/L		04/16/25 05:04	04/16/25 12:13	1
Potassium	**2.3**	**J**	5.0	0.044	mg/L		04/16/25 05:04	04/16/25 12:13	1
Magnesium	**1.8**		1.3	0.023	mg/L		04/16/25 05:04	04/16/25 12:13	1
Manganese	**0.076**		0.025	0.0022	mg/L		04/16/25 05:04	04/16/25 12:13	1
Molybdenum	**0.00088**	**J**	0.075	0.00086	mg/L		04/16/25 05:04	04/16/25 12:13	1
Sodium	**29**		2.5	0.20	mg/L		04/16/25 05:04	04/16/25 12:13	1
Lead	<0.00021		0.013	0.00021	mg/L		04/16/25 05:04	04/16/25 12:13	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/16/25 05:04	04/16/25 12:13	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/16/25 05:04	04/16/25 12:13	1
Strontium	**0.13**		0.0050	0.00019	mg/L		04/16/25 05:04	04/16/25 12:13	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/16/25 05:04	04/16/25 12:13	1
Lithium	**0.010**	**J**	0.025	0.0020	mg/L		04/16/25 05:04	04/16/25 12:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/17/25 11:28	04/17/25 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/14/25 08:55	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**65**		5.0	5.0	mg/L			04/14/25 10:39	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**65**		5.0	5.0	mg/L			04/14/25 10:39	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:39	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.67**				SU			04/10/25 11:01	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: FB-04

Date Collected: 04/11/25 07:46
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/15/25 19:21	1
Fluoride	<0.026		0.20	0.026	mg/L			04/15/25 19:21	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/25 19:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/16/25 05:04	04/16/25 12:15	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/16/25 05:04	04/16/25 12:15	1
Barium	<0.00089		0.025	0.00089	mg/L		04/16/25 05:04	04/16/25 12:15	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/16/25 05:04	04/16/25 12:15	1
Boron	**0.031**	**J B**	0.50	0.022	mg/L		04/16/25 05:04	04/16/25 14:32	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/16/25 05:04	04/16/25 12:15	1
Calcium	<0.14		2.5	0.14	mg/L		04/16/25 05:04	04/16/25 12:15	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/16/25 05:04	04/16/25 12:15	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/16/25 05:04	04/16/25 12:15	1
Iron	**0.51**		0.50	0.012	mg/L		04/16/25 05:04	04/16/25 12:15	1
Potassium	<0.044		5.0	0.044	mg/L		04/16/25 05:04	04/16/25 12:15	1
Magnesium	<0.023		1.3	0.023	mg/L		04/16/25 05:04	04/16/25 12:15	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/16/25 05:04	04/16/25 12:15	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/16/25 05:04	04/16/25 12:15	1
Sodium	**0.35**	**J**	2.5	0.20	mg/L		04/16/25 05:04	04/16/25 12:15	1
Lead	<0.00021		0.013	0.00021	mg/L		04/16/25 05:04	04/16/25 12:15	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/16/25 05:04	04/16/25 12:15	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/16/25 05:04	04/16/25 12:15	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/16/25 05:04	04/16/25 12:15	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/16/25 05:04	04/16/25 12:15	1
Lithium	**0.0041**	**J**	0.025	0.0020	mg/L		04/16/25 05:04	04/16/25 12:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/17/25 11:28	04/17/25 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/14/25 08:55	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:00	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:00	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:00	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Client Sample ID: EB-04
Date Collected: 04/11/25 07:58
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-7
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/15/25 19:39	1
Fluoride	<0.026		0.20	0.026	mg/L			04/15/25 19:39	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/25 19:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/16/25 05:04	04/16/25 12:07	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/16/25 05:04	04/16/25 12:07	1
Barium	<0.00089		0.025	0.00089	mg/L		04/16/25 05:04	04/16/25 12:07	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/16/25 05:04	04/16/25 12:07	1
Boron	**0.066**	**J B**	0.50	0.022	mg/L		04/16/25 05:04	04/16/25 14:22	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/16/25 05:04	04/16/25 12:07	1
Calcium	**0.50**	**J**	2.5	0.14	mg/L		04/16/25 05:04	04/16/25 12:07	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/16/25 05:04	04/16/25 12:07	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/16/25 05:04	04/16/25 12:07	1
Iron	**0.037**	**J**	0.50	0.012	mg/L		04/16/25 05:04	04/16/25 12:07	1
Potassium	**0.13**	**J**	5.0	0.044	mg/L		04/16/25 05:04	04/16/25 12:07	1
Magnesium	**0.26**	**J**	1.3	0.023	mg/L		04/16/25 05:04	04/16/25 12:07	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/16/25 05:04	04/16/25 12:07	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/16/25 05:04	04/16/25 12:07	1
Sodium	**4.0**		2.5	0.20	mg/L		04/16/25 05:04	04/16/25 12:07	1
Lead	<0.00021		0.013	0.00021	mg/L		04/16/25 05:04	04/16/25 12:07	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/16/25 05:04	04/16/25 12:07	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/16/25 05:04	04/16/25 12:07	1
Strontium	**0.0044**	**J**	0.0050	0.00019	mg/L		04/16/25 05:04	04/16/25 12:07	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/16/25 05:04	04/16/25 12:07	1
Lithium	**0.0099**	**J**	0.025	0.0020	mg/L		04/16/25 05:04	04/16/25 12:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/17/25 11:28	04/17/25 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/14/25 09:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:21	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:21	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/14/25 10:21	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-493246/6
Matrix: Water
Analysis Batch: 493246

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/25 11:25	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/25 11:25	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/25 11:25	1

Lab Sample ID: LCS 180-493246/7
Matrix: Water
Analysis Batch: 493246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.5		mg/L		99	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	49.6		mg/L		99	90 - 110

Lab Sample ID: MB 180-493438/43
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/08/25 23:28	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 23:28	1
Sulfate	<0.76		1.0	0.76	mg/L			04/08/25 23:28	1

Lab Sample ID: LCS 180-493438/44
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	56.1	*+	mg/L		112	90 - 110
Fluoride	2.50	2.70		mg/L		108	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: MB 180-493527/26
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/09/25 15:01	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 15:01	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 15:01	1

Lab Sample ID: MB 180-493527/55
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/09/25 20:49	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 20:49	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 20:49	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-493527/94
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/25 04:18	1
Fluoride	<0.026		0.20	0.026	mg/L			04/10/25 04:18	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/25 04:18	1

Lab Sample ID: LCS 180-493527/27
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.7		mg/L		103	90 - 110
Fluoride	2.50	2.31		mg/L		92	90 - 110
Sulfate	50.0	46.1		mg/L		92	90 - 110

Lab Sample ID: LCS 180-493527/56
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	52.4		mg/L		105	90 - 110
Fluoride	2.50	2.34		mg/L		94	90 - 110
Sulfate	50.0	47.1		mg/L		94	90 - 110

Lab Sample ID: LCS 180-493527/95
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.6		mg/L		107	90 - 110
Fluoride	2.50	2.43		mg/L		97	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: 180-188806-10 MS
Matrix: Water
Analysis Batch: 493527

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.4		50.0	57.8		mg/L		107	90 - 110
Fluoride	0.14	J	2.50	2.67		mg/L		101	90 - 110
Sulfate	3.5		50.0	54.4		mg/L		102	90 - 110

Lab Sample ID: 180-188806-10 MSD
Matrix: Water
Analysis Batch: 493527

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.4		50.0	57.1		mg/L		105	90 - 110	1	20
Fluoride	0.14	J	2.50	2.63		mg/L		100	90 - 110	2	20
Sulfate	3.5		50.0	52.6		mg/L		98	90 - 110	3	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-493627/44
Matrix: Water
Analysis Batch: 493627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/25 19:08	1
Fluoride	<0.026		0.20	0.026	mg/L			04/10/25 19:08	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/25 19:08	1

Lab Sample ID: MB 180-493627/6
Matrix: Water
Analysis Batch: 493627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/25 10:50	1
Fluoride	<0.026		0.20	0.026	mg/L			04/10/25 10:50	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/25 10:50	1

Lab Sample ID: LCS 180-493627/45
Matrix: Water
Analysis Batch: 493627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	53.4		mg/L		107	90 - 110		
Fluoride			2.50	2.43		mg/L		97	90 - 110		
Sulfate			50.0	48.3		mg/L		97	90 - 110		

Lab Sample ID: LCS 180-493627/7
Matrix: Water
Analysis Batch: 493627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	53.2		mg/L		106	90 - 110		
Fluoride			2.50	2.43		mg/L		97	90 - 110		
Sulfate			50.0	47.6		mg/L		95	90 - 110		

Lab Sample ID: 180-188756-2 MS
Matrix: Water
Analysis Batch: 493627

Client Sample ID: APMW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	15		50.0	65.8		mg/L		102	90 - 110		
Fluoride	0.12	J	2.50	2.60		mg/L		99	90 - 110		
Sulfate	5.1		50.0	55.1		mg/L		100	90 - 110		

Lab Sample ID: 180-188756-2 MSD
Matrix: Water
Analysis Batch: 493627

Client Sample ID: APMW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15		50.0	65.5		mg/L		101	90 - 110	0	20
Fluoride	0.12	J	2.50	2.61		mg/L		99	90 - 110	0	20
Sulfate	5.1		50.0	54.6		mg/L		99	90 - 110	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-493732/6
Matrix: Water
Analysis Batch: 493732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/11/25 10:56	1
Fluoride	<0.026		0.20	0.026	mg/L			04/11/25 10:56	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/25 10:56	1

Lab Sample ID: LCS 180-493732/7
Matrix: Water
Analysis Batch: 493732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.6		mg/L		107	90 - 110
Fluoride	2.50	2.33		mg/L		93	90 - 110
Sulfate	50.0	48.2		mg/L		96	90 - 110

Lab Sample ID: MB 180-493783/6
Matrix: Water
Analysis Batch: 493783

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/12/25 10:31	1
Fluoride	<0.026		0.20	0.026	mg/L			04/12/25 10:31	1
Sulfate	<0.76		1.0	0.76	mg/L			04/12/25 10:31	1

Lab Sample ID: LCS 180-493783/7
Matrix: Water
Analysis Batch: 493783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.3		mg/L		103	90 - 110
Fluoride	2.50	2.67		mg/L		107	90 - 110
Sulfate	50.0	51.3		mg/L		103	90 - 110

Lab Sample ID: MB 180-493891/6
Matrix: Water
Analysis Batch: 493891

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/15/25 15:23	1
Fluoride	<0.026		0.20	0.026	mg/L			04/15/25 15:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/25 15:23	1

Lab Sample ID: LCS 180-493891/7
Matrix: Water
Analysis Batch: 493891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.7		mg/L		101	90 - 110
Fluoride	2.50	2.57		mg/L		103	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-189089-1 MS
Matrix: Water
Analysis Batch: 493891

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12		50.0	58.1		mg/L		92	90 - 110
Fluoride	0.12	J	2.50	2.45		mg/L		93	90 - 110
Sulfate	7.0		50.0	52.8		mg/L		92	90 - 110

Lab Sample ID: 180-189089-1 MSD
Matrix: Water
Analysis Batch: 493891

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12		50.0	58.0		mg/L		92	90 - 110	0	20
Fluoride	0.12	J	2.50	2.45		mg/L		93	90 - 110	0	20
Sulfate	7.0		50.0	52.5		mg/L		91	90 - 110	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880406/1-A
Matrix: Water
Analysis Batch: 880434

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/08/25 05:10	04/08/25 10:05	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/08/25 05:10	04/08/25 10:05	1
Barium	<0.00089		0.025	0.00089	mg/L		04/08/25 05:10	04/08/25 10:05	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/08/25 05:10	04/08/25 10:05	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/08/25 05:10	04/08/25 10:05	1
Calcium	<0.14		2.5	0.14	mg/L		04/08/25 05:10	04/08/25 10:05	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/08/25 05:10	04/08/25 10:05	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/08/25 05:10	04/08/25 10:05	1
Iron	<0.012		0.50	0.012	mg/L		04/08/25 05:10	04/08/25 10:05	1
Magnesium	<0.023		1.3	0.023	mg/L		04/08/25 05:10	04/08/25 10:05	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/08/25 05:10	04/08/25 10:05	1
Lead	<0.00021		0.013	0.00021	mg/L		04/08/25 05:10	04/08/25 10:05	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/08/25 05:10	04/08/25 10:05	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/08/25 05:10	04/08/25 10:05	1
Potassium	<0.044		5.0	0.044	mg/L		04/08/25 05:10	04/08/25 10:05	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/08/25 05:10	04/08/25 10:05	1
Strontium	<0.00019	^6+	0.0050	0.00019	mg/L		04/08/25 05:10	04/08/25 10:05	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/08/25 05:10	04/08/25 10:05	1

Lab Sample ID: MB 680-880406/1-A
Matrix: Water
Analysis Batch: 880442

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		04/08/25 05:10	04/08/25 11:43	1
Sodium	<0.20		2.5	0.20	mg/L		04/08/25 05:10	04/08/25 11:43	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880406/1-A
Matrix: Water
Analysis Batch: 880458

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.025	0.0020	mg/L		04/08/25 05:10	04/08/25 12:26	1

Lab Sample ID: LCS 680-880406/2-A
Matrix: Water
Analysis Batch: 880434

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.13		mg/L		103	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.101		mg/L		101	80 - 120
Beryllium	0.0500	0.0501		mg/L		100	80 - 120
Cadmium	0.0500	0.0515		mg/L		103	80 - 120
Calcium	5.00	5.11		mg/L		102	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0524		mg/L		105	80 - 120
Iron	5.00	5.12		mg/L		102	80 - 120
Magnesium	5.00	4.62		mg/L		92	80 - 120
Manganese	0.400	0.412		mg/L		103	80 - 120
Lead	0.500	0.498		mg/L		100	80 - 120
Molybdenum	0.100	0.105		mg/L		105	80 - 120
Antimony	0.0500	0.0514		mg/L		103	80 - 120
Potassium	7.00	7.13		mg/L		102	80 - 120
Selenium	0.100	0.105		mg/L		105	80 - 120
Strontium	0.100	0.105	^6+	mg/L		105	80 - 120
Thallium	0.0500	0.0498		mg/L		100	80 - 120

Lab Sample ID: LCS 680-880406/2-A
Matrix: Water
Analysis Batch: 880442

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.369	J	mg/L		92	80 - 120
Sodium	5.00	4.70		mg/L		94	80 - 120

Lab Sample ID: LCS 680-880406/2-A
Matrix: Water
Analysis Batch: 880458

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.499		mg/L		100	80 - 120

Lab Sample ID: 180-188567-1 MS
Matrix: Water
Analysis Batch: 880434

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.088	J	5.00	5.20		mg/L		102	75 - 125
Arsenic	0.076		0.100	0.181		mg/L		105	75 - 125
Barium	0.048		0.100	0.154		mg/L		106	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188567-1 MS
Matrix: Water
Analysis Batch: 880434

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0030	J	0.0500	0.0572		mg/L		108	75 - 125
Cadmium	0.00018	J	0.0500	0.0517		mg/L		103	75 - 125
Calcium	370		5.00	367	4	mg/L		-89	75 - 125
Chromium	<0.0012		0.100	0.106		mg/L		106	75 - 125
Cobalt	0.018		0.0500	0.0703		mg/L		105	75 - 125
Iron	170		5.00	168	4	mg/L		20	75 - 125
Magnesium	130		5.00	129	4	mg/L		65	75 - 125
Manganese	4.8		0.400	4.99	4	mg/L		44	75 - 125
Lead	0.00035	J	0.500	0.539		mg/L		108	75 - 125
Molybdenum	0.099		0.100	0.212		mg/L		113	75 - 125
Antimony	<0.00034		0.0500	0.0549		mg/L		110	75 - 125
Potassium	21		7.00	26.9		mg/L		84	75 - 125
Selenium	0.0016	J	0.100	0.108		mg/L		106	75 - 125
Strontium	3.7	^6+	0.100	3.61	4 ^6+	mg/L		-69	75 - 125
Thallium	<0.00026		0.0500	0.0547		mg/L		109	75 - 125

Lab Sample ID: 180-188567-1 MS
Matrix: Water
Analysis Batch: 880442

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	12		0.400	12.3	4	mg/L		35	75 - 125
Sodium	1900		5.00	1810	4	mg/L		-1386	75 - 125

Lab Sample ID: 180-188567-1 MS
Matrix: Water
Analysis Batch: 880458

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.057		0.500	0.585		mg/L		106	75 - 125

Lab Sample ID: 180-188567-1 MSD
Matrix: Water
Analysis Batch: 880434

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.088	J	5.00	5.24		mg/L		103	75 - 125	1	20
Arsenic	0.076		0.100	0.184		mg/L		109	75 - 125	2	20
Barium	0.048		0.100	0.153		mg/L		105	75 - 125	0	20
Beryllium	0.0030	J	0.0500	0.0549		mg/L		104	75 - 125	4	20
Cadmium	0.00018	J	0.0500	0.0511		mg/L		102	75 - 125	1	20
Calcium	370		5.00	376	4	mg/L		89	75 - 125	2	20
Chromium	<0.0012		0.100	0.105		mg/L		105	75 - 125	1	20
Cobalt	0.018		0.0500	0.0695		mg/L		103	75 - 125	1	20
Iron	170		5.00	173	4	mg/L		113	75 - 125	3	20
Magnesium	130		5.00	135	4	mg/L		184	75 - 125	5	20
Manganese	4.8		0.400	5.17	4	mg/L		89	75 - 125	4	20
Lead	0.00035	J	0.500	0.528		mg/L		106	75 - 125	2	20
Molybdenum	0.099		0.100	0.214		mg/L		115	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188567-1 MSD
Matrix: Water
Analysis Batch: 880434

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0556		mg/L		111	75 - 125	1	20
Potassium	21		7.00	28.3		mg/L		103	75 - 125	5	20
Selenium	0.0016	J	0.100	0.102		mg/L		101	75 - 125	5	20
Strontium	3.7	^6+	0.100	3.72	4 ^6+	mg/L		39	75 - 125	3	20
Thallium	<0.00026		0.0500	0.0531		mg/L		106	75 - 125	3	20

Lab Sample ID: 180-188567-1 MSD
Matrix: Water
Analysis Batch: 880442

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	12		0.400	12.6	4	mg/L		112	75 - 125	2	20
Sodium	1900		5.00	1900	4	mg/L		471	75 - 125	5	20

Lab Sample ID: 180-188567-1 MSD
Matrix: Water
Analysis Batch: 880458

Client Sample ID: APMW-6R
Prep Type: Total Recoverable
Prep Batch: 880406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.057		0.500	0.571		mg/L		103	75 - 125	2	20

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/11/25 07:51	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/11/25 07:51	1
Barium	<0.00089		0.025	0.00089	mg/L		04/10/25 05:34	04/11/25 07:51	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/11/25 07:51	1
Boron	<0.022		0.50	0.022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/11/25 07:51	1
Calcium	<0.14		2.5	0.14	mg/L		04/10/25 05:34	04/11/25 07:51	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/11/25 07:51	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Iron	<0.012		0.50	0.012	mg/L		04/10/25 05:34	04/11/25 07:51	1
Magnesium	<0.023		1.3	0.023	mg/L		04/10/25 05:34	04/11/25 07:51	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/11/25 07:51	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/11/25 07:51	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/11/25 07:51	1
Potassium	<0.044		5.0	0.044	mg/L		04/10/25 05:34	04/11/25 07:51	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/11/25 07:51	1
Sodium	<0.20		2.5	0.20	mg/L		04/10/25 05:34	04/11/25 07:51	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/10/25 05:34	04/11/25 07:51	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/11/25 07:51	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 11:28	1

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.18		mg/L		104	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	0.100	0.0998		mg/L		100	80 - 120
Beryllium	0.0500	0.0482		mg/L		96	80 - 120
Boron	0.400	0.368	J	mg/L		92	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	5.00	5.04		mg/L		101	80 - 120
Chromium	0.100	0.101		mg/L		101	80 - 120
Cobalt	0.0500	0.0513		mg/L		103	80 - 120
Iron	5.00	5.01		mg/L		100	80 - 120
Magnesium	5.00	4.82		mg/L		96	80 - 120
Manganese	0.400	0.398		mg/L		100	80 - 120
Lead	0.500	0.490		mg/L		98	80 - 120
Molybdenum	0.100	0.0962		mg/L		96	80 - 120
Antimony	0.0500	0.0497		mg/L		99	80 - 120
Potassium	7.00	6.93		mg/L		99	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Sodium	5.00	5.07		mg/L		101	80 - 120
Strontium	0.100	0.0988		mg/L		99	80 - 120
Thallium	0.0500	0.0492		mg/L		98	80 - 120

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.525		mg/L		105	80 - 120

Lab Sample ID: MB 680-880555/1-A
Matrix: Water
Analysis Batch: 880644

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/10/25 05:34	04/10/25 13:15	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/10/25 05:34	04/10/25 13:15	1
Barium	<0.00089		0.025	0.00089	mg/L		04/10/25 05:34	04/10/25 13:15	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/10/25 05:34	04/10/25 13:15	1
Boron	<0.022		0.50	0.022	mg/L		04/10/25 05:34	04/10/25 13:15	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/10/25 05:34	04/10/25 13:15	1
Calcium	<0.14		2.5	0.14	mg/L		04/10/25 05:34	04/10/25 13:15	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/10/25 05:34	04/10/25 13:15	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/10/25 05:34	04/10/25 13:15	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880555/1-A
Matrix: Water
Analysis Batch: 880644

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.012		0.50	0.012	mg/L		04/10/25 05:34	04/10/25 13:15	1
Magnesium	<0.023		1.3	0.023	mg/L		04/10/25 05:34	04/10/25 13:15	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/10/25 05:34	04/10/25 13:15	1
Lead	<0.00021		0.013	0.00021	mg/L		04/10/25 05:34	04/10/25 13:15	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/10/25 05:34	04/10/25 13:15	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/10/25 05:34	04/10/25 13:15	1
Potassium	<0.044		5.0	0.044	mg/L		04/10/25 05:34	04/10/25 13:15	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/10/25 05:34	04/10/25 13:15	1
Sodium	<0.20		2.5	0.20	mg/L		04/10/25 05:34	04/10/25 13:15	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/10/25 05:34	04/10/25 13:15	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/10/25 05:34	04/10/25 13:15	1

Lab Sample ID: MB 680-880555/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.025	0.0020	mg/L		04/10/25 05:34	04/11/25 10:42	1

Lab Sample ID: LCS 680-880555/2-A
Matrix: Water
Analysis Batch: 880644

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.04		mg/L		101	80 - 120
Arsenic	0.100	0.0982		mg/L		98	80 - 120
Barium	0.100	0.0991		mg/L		99	80 - 120
Beryllium	0.0500	0.0530		mg/L		106	80 - 120
Boron	0.400	0.417	J	mg/L		104	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	5.00	5.05		mg/L		101	80 - 120
Chromium	0.100	0.0995		mg/L		100	80 - 120
Cobalt	0.0500	0.0509		mg/L		102	80 - 120
Iron	5.00	5.02		mg/L		100	80 - 120
Magnesium	5.00	4.67		mg/L		93	80 - 120
Manganese	0.400	0.395		mg/L		99	80 - 120
Lead	0.500	0.499		mg/L		100	80 - 120
Molybdenum	0.100	0.0996		mg/L		100	80 - 120
Antimony	0.0500	0.0501		mg/L		100	80 - 120
Potassium	7.00	7.03		mg/L		100	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Sodium	5.00	5.00		mg/L		100	80 - 120
Strontium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.0500	0.0487		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880555/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.487		mg/L		97	80 - 120

Lab Sample ID: MB 680-880728/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 10:47	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:47	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:47	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:47	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:47	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:47	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:47	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:47	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:47	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 10:47	1
Magnesium	<0.023		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 10:47	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 10:47	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:47	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:47	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:47	1
Potassium	<0.044		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 10:47	1
Selenium	0.00194	J	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:47	1
Sodium	<0.20		2.5	0.20	mg/L		04/14/25 04:49	04/15/25 10:47	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 10:47	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:47	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:47	1

Lab Sample ID: LCS 680-880728/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.19		mg/L		104	80 - 120
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.0500	0.0521		mg/L		104	80 - 120
Boron	0.400	0.380	J	mg/L		95	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	5.00	5.35		mg/L		107	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Iron	5.00	5.26		mg/L		105	80 - 120
Magnesium	5.00	4.59		mg/L		92	80 - 120
Manganese	0.400	0.397		mg/L		99	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Antimony	0.0500	0.0501		mg/L		100	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880728/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	7.00	6.84		mg/L		98	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Sodium	5.00	5.05		mg/L		101	80 - 120
Strontium	0.100	0.0997		mg/L		100	80 - 120
Lithium	0.500	0.465		mg/L		93	80 - 120
Thallium	0.0500	0.0513		mg/L		103	80 - 120

Lab Sample ID: MB 680-880736/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.035		0.50	0.035	mg/L		04/14/25 04:49	04/15/25 11:48	1
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:48	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:48	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:48	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:48	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:48	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:48	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:48	1
Iron	<0.012		0.50	0.012	mg/L		04/14/25 04:49	04/15/25 11:48	1
Magnesium	<0.023		1.3	0.023	mg/L		04/14/25 04:49	04/15/25 11:48	1
Manganese	<0.0022		0.025	0.0022	mg/L		04/14/25 04:49	04/15/25 11:48	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:48	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:48	1
Potassium	<0.044		5.0	0.044	mg/L		04/14/25 04:49	04/15/25 11:48	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:48	1
Sodium	<0.20		2.5	0.20	mg/L		04/14/25 04:49	04/15/25 11:48	1
Strontium	<0.00019		0.0050	0.00019	mg/L		04/14/25 04:49	04/15/25 11:48	1
Lithium	0.00252	J	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:48	1

Lab Sample ID: LCS 680-880736/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880736

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.10		mg/L		102	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	0.100	0.0985		mg/L		99	80 - 120
Beryllium	0.0500	0.0517		mg/L		103	80 - 120
Boron	0.400	0.411	J	mg/L		103	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0512		mg/L		102	80 - 120
Iron	5.00	5.20		mg/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880736/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880736

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.00	4.56		mg/L		91	80 - 120
Manganese	0.400	0.396		mg/L		99	80 - 120
Lead	0.500	0.488		mg/L		98	80 - 120
Molybdenum	0.100	0.0997		mg/L		100	80 - 120
Antimony	0.0500	0.0493		mg/L		99	80 - 120
Potassium	7.00	6.84		mg/L		98	80 - 120
Selenium	0.100	0.0985		mg/L		98	80 - 120
Sodium	5.00	5.08		mg/L		102	80 - 120
Strontium	0.100	0.0993		mg/L		99	80 - 120
Lithium	0.500	0.477		mg/L		95	80 - 120
Thallium	0.0500	0.0507		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-880443/1-A
Matrix: Water
Analysis Batch: 880522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 880443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/08/25 13:04	04/08/25 16:21	1

Lab Sample ID: LCS 680-880443/2-A
Matrix: Water
Analysis Batch: 880522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 880443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00259		mg/L		104	80 - 120

Lab Sample ID: MB 680-880600/1-A
Matrix: Water
Analysis Batch: 880661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 880600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/10/25 11:21	04/10/25 16:26	1

Lab Sample ID: LCS 680-880600/2-A
Matrix: Water
Analysis Batch: 880661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 880600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00234		mg/L		94	80 - 120

Lab Sample ID: 180-188806-9 MS
Matrix: Water
Analysis Batch: 880661

Client Sample ID: APMW-12
Prep Type: Total/NA
Prep Batch: 880600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000967		mg/L		97	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-188806-9 MSD — **Client Sample ID: APMW-12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880661 — **Prep Batch: 880600**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000957		mg/L		96	80 - 120	1	20

Lab Sample ID: MB 680-880783/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880825 — **Prep Batch: 880783**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:14	1

Lab Sample ID: LCS 680-880783/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880825 — **Prep Batch: 880783**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00259		mg/L		104	80 - 120

Lab Sample ID: 180-188756-1 MS — **Client Sample ID: APMW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880825 — **Prep Batch: 880783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000954		mg/L		95	80 - 120

Lab Sample ID: 180-188756-1 MSD — **Client Sample ID: APMW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880825 — **Prep Batch: 880783**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000954		mg/L		95	80 - 120	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-493165/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 493165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/03/25 10:16	1

Lab Sample ID: LCS 180-493165/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 493165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	390		mg/L		93	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-493383/1
Matrix: Water
Analysis Batch: 493383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/25 13:14	1

Lab Sample ID: LCS 180-493383/2
Matrix: Water
Analysis Batch: 493383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	422		mg/L		100	85 - 115

Lab Sample ID: MB 180-493559/1
Matrix: Water
Analysis Batch: 493559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 11:21	1

Lab Sample ID: LCS 180-493559/2
Matrix: Water
Analysis Batch: 493559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	414		mg/L		99	85 - 115

Lab Sample ID: 180-188806-15 DU
Matrix: Water
Analysis Batch: 493559

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-493564/1
Matrix: Water
Analysis Batch: 493564

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 11:38	1

Lab Sample ID: LCS 180-493564/2
Matrix: Water
Analysis Batch: 493564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	370		mg/L		88	85 - 115

Lab Sample ID: 180-188806-16 DU
Matrix: Water
Analysis Batch: 493564

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-493726/1
Matrix: Water
Analysis Batch: 493726

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/11/25 09:06	1

Lab Sample ID: LCS 180-493726/2
Matrix: Water
Analysis Batch: 493726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	410		mg/L		98	85 - 115

Lab Sample ID: 180-188962-5 DU
Matrix: Water
Analysis Batch: 493726

Client Sample ID: EB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-493820/1
Matrix: Water
Analysis Batch: 493820

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/25 08:55	1

Lab Sample ID: LCS 180-493820/2
Matrix: Water
Analysis Batch: 493820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	420		mg/L		100	85 - 115

Lab Sample ID: 180-189089-6 DU
Matrix: Water
Analysis Batch: 493820

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-493822/1
Matrix: Water
Analysis Batch: 493822

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/25 09:06	1

Lab Sample ID: LCS 180-493822/2
Matrix: Water
Analysis Batch: 493822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	424		mg/L		101	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 180-189089-7 DU
Matrix: Water
Analysis Batch: 493822

Client Sample ID: EB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	<10			<10		mg/L				NC	10

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-493278/29
Matrix: Water
Analysis Batch: 493278

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/04/25 10:24	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/25 10:24	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/25 10:24	1

Lab Sample ID: MB 180-493278/5
Matrix: Water
Analysis Batch: 493278

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/04/25 08:27	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/25 08:27	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/25 08:27	1

Lab Sample ID: LCS 180-493278/27
Matrix: Water
Analysis Batch: 493278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	243		mg/L		97	90 - 110		

Lab Sample ID: LLCS 180-493278/28
Matrix: Water
Analysis Batch: 493278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			15.1	15.1		mg/L		100	75 - 125		

Lab Sample ID: 180-188567-2 DU
Matrix: Water
Analysis Batch: 493278

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	28			27.8		mg/L				2	20
Bicarbonate Alkalinity as CaCO3	28			27.8		mg/L				2	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-493396/5
Matrix: Water
Analysis Batch: 493396

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/07/25 08:59	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/07/25 08:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/07/25 08:59	1

Lab Sample ID: LCS 180-493396/3
Matrix: Water
Analysis Batch: 493396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	241		mg/L		96	90 - 110

Lab Sample ID: LLCS 180-493396/4
Matrix: Water
Analysis Batch: 493396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	15.4		mg/L		102	75 - 125

Lab Sample ID: 180-188756-1 DU
Matrix: Water
Analysis Batch: 493396

Client Sample ID: APMW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	280		284		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	280		284		mg/L		2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: 180-188756-7 DU
Matrix: Water
Analysis Batch: 493396

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	84		85.7		mg/L		1	20
Bicarbonate Alkalinity as CaCO3	84		85.7		mg/L		1	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-493575/29
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/25 11:25	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/25 11:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/25 11:25	1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-493575/5
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/25 09:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/25 09:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/25 09:33	1

Lab Sample ID: LCS 180-493575/27
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	243		mg/L		97	90 - 110

Lab Sample ID: LCS 180-493575/3
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	244		mg/L		97	90 - 110

Lab Sample ID: LLCS 180-493575/28
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	16.8		mg/L		111	75 - 125

Lab Sample ID: LLCS 180-493575/4
Matrix: Water
Analysis Batch: 493575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	16.8		mg/L		112	75 - 125

Lab Sample ID: 180-188806-8 DU
Matrix: Water
Analysis Batch: 493575

Client Sample ID: APMW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	48		46.9		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	48		46.9		mg/L		2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-188806-10 DU
Matrix: Water
Analysis Batch: 493575

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	93		93.4		mg/L		0.3	20
Bicarbonate Alkalinity as CaCO3	93		93.4		mg/L		0.3	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-493762/29
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/11/25 10:09	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/25 10:09	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/25 10:09	1

Lab Sample ID: MB 180-493762/5
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/11/25 08:20	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/25 08:20	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/25 08:20	1

Lab Sample ID: LCS 180-493762/27
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	246		mg/L		98	90 - 110

Lab Sample ID: LCS 180-493762/3
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	243		mg/L		97	90 - 110

Lab Sample ID: LLCS 180-493762/28
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.1	16.6		mg/L		110	75 - 125

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LLCS 180-493762/4
Matrix: Water
Analysis Batch: 493762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			15.1	16.8		mg/L		112	75 - 125		

Lab Sample ID: 180-188962-6 DU
Matrix: Water
Analysis Batch: 493762

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	<5.0			<5.0		mg/L				NC	20
Bicarbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

Lab Sample ID: MB 180-493868/29
Matrix: Water
Analysis Batch: 493868

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/25 09:56	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 09:56	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 09:56	1

Lab Sample ID: LCS 180-493868/27
Matrix: Water
Analysis Batch: 493868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	246		mg/L		98	90 - 110		

Lab Sample ID: LLCS 180-493868/28
Matrix: Water
Analysis Batch: 493868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			15.1	15.4		mg/L		102	75 - 125		

Lab Sample ID: 180-189089-1 DU
Matrix: Water
Analysis Batch: 493868

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	65			59.7		mg/L				8	20
Bicarbonate Alkalinity as CaCO3	65			59.7		mg/L				8	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-189089-6 DU
Matrix: Water
Analysis Batch: 493868

Client Sample ID: FB-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	<5.0			<5.0		mg/L				NC	20
Bicarbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

HPLC/IC

Analysis Batch: 493246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	300.0	
180-188567-1	APMW-6R	Total/NA	Water	300.0	
180-188567-2	DUP-01	Total/NA	Water	300.0	
180-188567-2	DUP-01	Total/NA	Water	300.0	
MB 180-493246/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493246/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 493438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	300.0	
180-188806-7	APMW-10	Total/NA	Water	300.0	
180-188806-8	APMW-11	Total/NA	Water	300.0	
180-188806-9	APMW-12	Total/NA	Water	300.0	
180-188806-17	DUP-02	Total/NA	Water	300.0	
MB 180-493438/43	Method Blank	Total/NA	Water	300.0	
LCS 180-493438/44	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 493527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	300.0	
180-188806-2	APMW-2	Total/NA	Water	300.0	
180-188806-2	APMW-2	Total/NA	Water	300.0	
180-188806-3	APMW-4	Total/NA	Water	300.0	
180-188806-4	APMW-5	Total/NA	Water	300.0	
180-188806-4	APMW-5	Total/NA	Water	300.0	
180-188806-5	APMW-8	Total/NA	Water	300.0	
180-188806-5	APMW-8	Total/NA	Water	300.0	
180-188806-7	APMW-10	Total/NA	Water	300.0	
180-188806-9	APMW-12	Total/NA	Water	300.0	
180-188806-10	APMW-2D	Total/NA	Water	300.0	
180-188806-11	APMW-4D	Total/NA	Water	300.0	
180-188806-11	APMW-4D	Total/NA	Water	300.0	
180-188806-12	APMW-5D	Total/NA	Water	300.0	
180-188806-13	APMW-10D	Total/NA	Water	300.0	
180-188806-14	DUP-03	Total/NA	Water	300.0	
180-188806-14	DUP-03	Total/NA	Water	300.0	
180-188806-15	FB-01	Total/NA	Water	300.0	
180-188806-16	EB-01	Total/NA	Water	300.0	
180-188806-17	DUP-02	Total/NA	Water	300.0	
MB 180-493527/26	Method Blank	Total/NA	Water	300.0	
MB 180-493527/55	Method Blank	Total/NA	Water	300.0	
MB 180-493527/94	Method Blank	Total/NA	Water	300.0	
LCS 180-493527/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493527/56	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493527/95	Lab Control Sample	Total/NA	Water	300.0	
180-188806-10 MS	APMW-2D	Total/NA	Water	300.0	
180-188806-10 MSD	APMW-2D	Total/NA	Water	300.0	

Analysis Batch: 493627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 493627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	300.0	
180-188756-2	APMW-3D	Total/NA	Water	300.0	
180-188756-3	APMW-7	Total/NA	Water	300.0	
180-188756-4	DUP-04	Total/NA	Water	300.0	
180-188756-5	FB-02	Total/NA	Water	300.0	
180-188756-6	EB-02	Total/NA	Water	300.0	
180-188756-7	APMW-6D	Total/NA	Water	300.0	
180-188806-3	APMW-4	Total/NA	Water	300.0	
180-188806-5	APMW-8	Total/NA	Water	300.0	
180-188806-6	APMW-9	Total/NA	Water	300.0	
180-188806-6	APMW-9	Total/NA	Water	300.0	
180-188806-8	APMW-11	Total/NA	Water	300.0	
MB 180-493627/44	Method Blank	Total/NA	Water	300.0	
MB 180-493627/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493627/45	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493627/7	Lab Control Sample	Total/NA	Water	300.0	
180-188756-2 MS	APMW-3D	Total/NA	Water	300.0	
180-188756-2 MSD	APMW-3D	Total/NA	Water	300.0	

Analysis Batch: 493732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-3	APMW-7	Total/NA	Water	300.0	
180-188756-4	DUP-04	Total/NA	Water	300.0	
MB 180-493732/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493732/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 493783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total/NA	Water	300.0	
180-188962-6	FB-03	Total/NA	Water	300.0	
180-188962-7	APMW-16	Total/NA	Water	300.0	
180-188962-7	APMW-16	Total/NA	Water	300.0	
180-188962-8	APMW-15	Total/NA	Water	300.0	
180-188962-8	APMW-15	Total/NA	Water	300.0	
180-188962-9	APMW-14	Total/NA	Water	300.0	
180-188962-9	APMW-14	Total/NA	Water	300.0	
180-188962-10	APMW-13	Total/NA	Water	300.0	
180-188962-10	APMW-13	Total/NA	Water	300.0	
180-188962-11	DUP-05	Total/NA	Water	300.0	
180-188962-11	DUP-05	Total/NA	Water	300.0	
MB 180-493783/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493783/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 493891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	300.0	
180-189089-6	FB-04	Total/NA	Water	300.0	
180-189089-7	EB-04	Total/NA	Water	300.0	
MB 180-493891/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493891/7	Lab Control Sample	Total/NA	Water	300.0	
180-189089-1 MS	APMW-8D	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 493891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1 MSD	APMW-8D	Total/NA	Water	300.0	

Metals

Prep Batch: 880406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total Recoverable	Water	3005A	
180-188567-2	DUP-01	Total Recoverable	Water	3005A	
MB 680-880406/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880406/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188567-1 MS	APMW-6R	Total Recoverable	Water	3005A	
180-188567-1 MSD	APMW-6R	Total Recoverable	Water	3005A	

Analysis Batch: 880434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-2	DUP-01	Total Recoverable	Water	6020B	880406
MB 680-880406/1-A	Method Blank	Total Recoverable	Water	6020B	880406
LCS 680-880406/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880406
180-188567-1 MS	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-1 MSD	APMW-6R	Total Recoverable	Water	6020B	880406

Analysis Batch: 880442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-2	DUP-01	Total Recoverable	Water	6020B	880406
MB 680-880406/1-A	Method Blank	Total Recoverable	Water	6020B	880406
LCS 680-880406/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880406
180-188567-1 MS	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-1 MSD	APMW-6R	Total Recoverable	Water	6020B	880406

Prep Batch: 880443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	7470A	
180-188567-2	DUP-01	Total/NA	Water	7470A	
MB 680-880443/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880443/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 880458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-2	DUP-01	Total Recoverable	Water	6020B	880406
MB 680-880406/1-A	Method Blank	Total Recoverable	Water	6020B	880406
LCS 680-880406/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880406
180-188567-1 MS	APMW-6R	Total Recoverable	Water	6020B	880406
180-188567-1 MSD	APMW-6R	Total Recoverable	Water	6020B	880406

Analysis Batch: 880522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	7470A	880443
180-188567-2	DUP-01	Total/NA	Water	7470A	880443

Metals (Continued)

Analysis Batch: 880522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-880443/1-A	Method Blank	Total/NA	Water	7470A	880443
LCS 680-880443/2-A	Lab Control Sample	Total/NA	Water	7470A	880443

Prep Batch: 880550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total Recoverable	Water	3005A	
180-188806-2	APMW-2	Total Recoverable	Water	3005A	
180-188806-3	APMW-4	Total Recoverable	Water	3005A	
180-188806-4	APMW-5	Total Recoverable	Water	3005A	
180-188806-5	APMW-8	Total Recoverable	Water	3005A	
180-188806-6	APMW-9	Total Recoverable	Water	3005A	
180-188806-7	APMW-10	Total Recoverable	Water	3005A	
180-188806-8	APMW-11	Total Recoverable	Water	3005A	
180-188806-9	APMW-12	Total Recoverable	Water	3005A	
180-188806-16	EB-01	Total Recoverable	Water	3005A	
180-188806-17	DUP-02	Total Recoverable	Water	3005A	
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-10	APMW-2D	Total Recoverable	Water	3005A	
180-188806-11	APMW-4D	Total Recoverable	Water	3005A	
180-188806-12	APMW-5D	Total Recoverable	Water	3005A	
180-188806-13	APMW-10D	Total Recoverable	Water	3005A	
180-188806-14	DUP-03	Total Recoverable	Water	3005A	
180-188806-15	FB-01	Total Recoverable	Water	3005A	
MB 680-880555/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880555/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	7470A	
180-188806-2	APMW-2	Total/NA	Water	7470A	
180-188806-3	APMW-4	Total/NA	Water	7470A	
180-188806-4	APMW-5	Total/NA	Water	7470A	
180-188806-5	APMW-8	Total/NA	Water	7470A	
180-188806-6	APMW-9	Total/NA	Water	7470A	
180-188806-7	APMW-10	Total/NA	Water	7470A	
180-188806-8	APMW-11	Total/NA	Water	7470A	
180-188806-9	APMW-12	Total/NA	Water	7470A	
180-188806-10	APMW-2D	Total/NA	Water	7470A	
180-188806-11	APMW-4D	Total/NA	Water	7470A	
180-188806-12	APMW-5D	Total/NA	Water	7470A	
180-188806-13	APMW-10D	Total/NA	Water	7470A	
180-188806-14	DUP-03	Total/NA	Water	7470A	
180-188806-15	FB-01	Total/NA	Water	7470A	
180-188806-16	EB-01	Total/NA	Water	7470A	
180-188806-17	DUP-02	Total/NA	Water	7470A	
MB 680-880600/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880600/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 880600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-9 MS	APMW-12	Total/NA	Water	7470A	
180-188806-9 MSD	APMW-12	Total/NA	Water	7470A	

Analysis Batch: 880644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-10	APMW-2D	Total Recoverable	Water	6020B	880555
180-188806-11	APMW-4D	Total Recoverable	Water	6020B	880555
180-188806-12	APMW-5D	Total Recoverable	Water	6020B	880555
180-188806-13	APMW-10D	Total Recoverable	Water	6020B	880555
180-188806-14	DUP-03	Total Recoverable	Water	6020B	880555
180-188806-15	FB-01	Total Recoverable	Water	6020B	880555
MB 680-880555/1-A	Method Blank	Total Recoverable	Water	6020B	880555
LCS 680-880555/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880555

Analysis Batch: 880661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	7470A	880600
180-188806-2	APMW-2	Total/NA	Water	7470A	880600
180-188806-3	APMW-4	Total/NA	Water	7470A	880600
180-188806-4	APMW-5	Total/NA	Water	7470A	880600
180-188806-5	APMW-8	Total/NA	Water	7470A	880600
180-188806-6	APMW-9	Total/NA	Water	7470A	880600
180-188806-7	APMW-10	Total/NA	Water	7470A	880600
180-188806-8	APMW-11	Total/NA	Water	7470A	880600
180-188806-9	APMW-12	Total/NA	Water	7470A	880600
180-188806-10	APMW-2D	Total/NA	Water	7470A	880600
180-188806-11	APMW-4D	Total/NA	Water	7470A	880600
180-188806-12	APMW-5D	Total/NA	Water	7470A	880600
180-188806-13	APMW-10D	Total/NA	Water	7470A	880600
180-188806-14	DUP-03	Total/NA	Water	7470A	880600
180-188806-15	FB-01	Total/NA	Water	7470A	880600
180-188806-16	EB-01	Total/NA	Water	7470A	880600
180-188806-17	DUP-02	Total/NA	Water	7470A	880600
MB 680-880600/1-A	Method Blank	Total/NA	Water	7470A	880600
LCS 680-880600/2-A	Lab Control Sample	Total/NA	Water	7470A	880600
180-188806-9 MS	APMW-12	Total/NA	Water	7470A	880600
180-188806-9 MSD	APMW-12	Total/NA	Water	7470A	880600

Analysis Batch: 880666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total Recoverable	Water	6020B	880550
180-188806-1	APMW-1R	Total Recoverable	Water	6020B	880550
180-188806-2	APMW-2	Total Recoverable	Water	6020B	880550
180-188806-2	APMW-2	Total Recoverable	Water	6020B	880550
180-188806-3	APMW-4	Total Recoverable	Water	6020B	880550
180-188806-3	APMW-4	Total Recoverable	Water	6020B	880550
180-188806-4	APMW-5	Total Recoverable	Water	6020B	880550
180-188806-4	APMW-5	Total Recoverable	Water	6020B	880550
180-188806-5	APMW-8	Total Recoverable	Water	6020B	880550
180-188806-5	APMW-8	Total Recoverable	Water	6020B	880550
180-188806-6	APMW-9	Total Recoverable	Water	6020B	880550

Metals (Continued)

Analysis Batch: 880666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-6	APMW-9	Total Recoverable	Water	6020B	880550
180-188806-7	APMW-10	Total Recoverable	Water	6020B	880550
180-188806-7	APMW-10	Total Recoverable	Water	6020B	880550
180-188806-8	APMW-11	Total Recoverable	Water	6020B	880550
180-188806-9	APMW-12	Total Recoverable	Water	6020B	880550
180-188806-16	EB-01	Total Recoverable	Water	6020B	880550
180-188806-17	DUP-02	Total Recoverable	Water	6020B	880550
180-188806-17	DUP-02	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550

Analysis Batch: 880685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total Recoverable	Water	6020B	880550
180-188806-2	APMW-2	Total Recoverable	Water	6020B	880550
180-188806-3	APMW-4	Total Recoverable	Water	6020B	880550
180-188806-4	APMW-5	Total Recoverable	Water	6020B	880550
180-188806-5	APMW-8	Total Recoverable	Water	6020B	880550
180-188806-6	APMW-9	Total Recoverable	Water	6020B	880550
180-188806-7	APMW-10	Total Recoverable	Water	6020B	880550
180-188806-8	APMW-11	Total Recoverable	Water	6020B	880550
180-188806-9	APMW-12	Total Recoverable	Water	6020B	880550
180-188806-10	APMW-2D	Total Recoverable	Water	6020B	880555
180-188806-11	APMW-4D	Total Recoverable	Water	6020B	880555
180-188806-12	APMW-5D	Total Recoverable	Water	6020B	880555
180-188806-13	APMW-10D	Total Recoverable	Water	6020B	880555
180-188806-14	DUP-03	Total Recoverable	Water	6020B	880555
180-188806-15	FB-01	Total Recoverable	Water	6020B	880555
180-188806-16	EB-01	Total Recoverable	Water	6020B	880550
180-188806-17	DUP-02	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
MB 680-880555/1-A	Method Blank	Total Recoverable	Water	6020B	880555
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
LCS 680-880555/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880555

Analysis Batch: 880694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-8	APMW-11	Total Recoverable	Water	6020B	880550
180-188806-11	APMW-4D	Total Recoverable	Water	6020B	880555
180-188806-14	DUP-03	Total Recoverable	Water	6020B	880555
180-188806-16	EB-01	Total Recoverable	Water	6020B	880550

Prep Batch: 880728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total Recoverable	Water	3005A	
180-188756-2	APMW-3D	Total Recoverable	Water	3005A	
180-188756-3	APMW-7	Total Recoverable	Water	3005A	
180-188756-4	DUP-04	Total Recoverable	Water	3005A	
180-188756-5	FB-02	Total Recoverable	Water	3005A	
180-188756-6	EB-02	Total Recoverable	Water	3005A	
180-188756-7	APMW-6D	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 880728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-6	FB-03	Total Recoverable	Water	3005A	
MB 680-880728/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880728/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total Recoverable	Water	3005A	
180-188962-7	APMW-16	Total Recoverable	Water	3005A	
180-188962-8	APMW-15	Total Recoverable	Water	3005A	
180-188962-9	APMW-14	Total Recoverable	Water	3005A	
180-188962-10	APMW-13	Total Recoverable	Water	3005A	
180-188962-11	DUP-05	Total Recoverable	Water	3005A	
MB 680-880736/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880736/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	7470A	
180-188756-2	APMW-3D	Total/NA	Water	7470A	
180-188756-3	APMW-7	Total/NA	Water	7470A	
180-188756-4	DUP-04	Total/NA	Water	7470A	
180-188756-6	EB-02	Total/NA	Water	7470A	
MB 680-880783/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880783/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-188756-1 MS	APMW-3	Total/NA	Water	7470A	
180-188756-1 MSD	APMW-3	Total/NA	Water	7470A	

Analysis Batch: 880825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	7470A	880783
180-188756-2	APMW-3D	Total/NA	Water	7470A	880783
180-188756-3	APMW-7	Total/NA	Water	7470A	880783
180-188756-4	DUP-04	Total/NA	Water	7470A	880783
180-188756-6	EB-02	Total/NA	Water	7470A	880783
MB 680-880783/1-A	Method Blank	Total/NA	Water	7470A	880783
LCS 680-880783/2-A	Lab Control Sample	Total/NA	Water	7470A	880783
180-188756-1 MS	APMW-3	Total/NA	Water	7470A	880783
180-188756-1 MSD	APMW-3	Total/NA	Water	7470A	880783

Prep Batch: 880840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-5	FB-02	Total/NA	Water	7470A	
180-188756-7	APMW-6D	Total/NA	Water	7470A	
180-188962-5	EB-03	Total/NA	Water	7470A	
180-188962-6	FB-03	Total/NA	Water	7470A	
180-188962-7	APMW-16	Total/NA	Water	7470A	
180-188962-8	APMW-15	Total/NA	Water	7470A	
180-188962-9	APMW-14	Total/NA	Water	7470A	
180-188962-10	APMW-13	Total/NA	Water	7470A	
180-188962-11	DUP-05	Total/NA	Water	7470A	

Metals

Prep Batch: 880893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total Recoverable	Water	3005A	
180-189089-6	FB-04	Total Recoverable	Water	3005A	
180-189089-7	EB-04	Total Recoverable	Water	3005A	

Analysis Batch: 880902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total Recoverable	Water	6020B	880728
180-188756-1	APMW-3	Total Recoverable	Water	6020B	880728
180-188756-2	APMW-3D	Total Recoverable	Water	6020B	880728
180-188756-3	APMW-7	Total Recoverable	Water	6020B	880728
180-188756-3	APMW-7	Total Recoverable	Water	6020B	880728
180-188756-4	DUP-04	Total Recoverable	Water	6020B	880728
180-188756-4	DUP-04	Total Recoverable	Water	6020B	880728
180-188756-5	FB-02	Total Recoverable	Water	6020B	880728
180-188756-6	EB-02	Total Recoverable	Water	6020B	880728
180-188756-7	APMW-6D	Total Recoverable	Water	6020B	880728
180-188962-5	EB-03	Total Recoverable	Water	6020B	880736
180-188962-6	FB-03	Total Recoverable	Water	6020B	880728
180-188962-7	APMW-16	Total Recoverable	Water	6020B	880736
180-188962-7	APMW-16	Total Recoverable	Water	6020B	880736
180-188962-8	APMW-15	Total Recoverable	Water	6020B	880736
180-188962-8	APMW-15	Total Recoverable	Water	6020B	880736
180-188962-9	APMW-14	Total Recoverable	Water	6020B	880736
180-188962-9	APMW-14	Total Recoverable	Water	6020B	880736
180-188962-10	APMW-13	Total Recoverable	Water	6020B	880736
180-188962-10	APMW-13	Total Recoverable	Water	6020B	880736
180-188962-11	DUP-05	Total Recoverable	Water	6020B	880736
180-188962-11	DUP-05	Total Recoverable	Water	6020B	880736
MB 680-880728/1-A	Method Blank	Total Recoverable	Water	6020B	880728
MB 680-880736/1-A	Method Blank	Total Recoverable	Water	6020B	880736
LCS 680-880728/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880728
LCS 680-880736/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880736

Analysis Batch: 880908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-5	FB-02	Total/NA	Water	7470A	880840
180-188756-7	APMW-6D	Total/NA	Water	7470A	880840
180-188962-5	EB-03	Total/NA	Water	7470A	880840
180-188962-6	FB-03	Total/NA	Water	7470A	880840
180-188962-7	APMW-16	Total/NA	Water	7470A	880840
180-188962-8	APMW-15	Total/NA	Water	7470A	880840
180-188962-9	APMW-14	Total/NA	Water	7470A	880840
180-188962-10	APMW-13	Total/NA	Water	7470A	880840
180-188962-11	DUP-05	Total/NA	Water	7470A	880840

Analysis Batch: 880939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total Recoverable	Water	6020B	880893
180-189089-6	FB-04	Total Recoverable	Water	6020B	880893
180-189089-7	EB-04	Total Recoverable	Water	6020B	880893

Metals

Analysis Batch: 880984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total Recoverable	Water	6020B	880893
180-189089-6	FB-04	Total Recoverable	Water	6020B	880893
180-189089-7	EB-04	Total Recoverable	Water	6020B	880893

Prep Batch: 881010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	7470A	
180-189089-6	FB-04	Total/NA	Water	7470A	
180-189089-7	EB-04	Total/NA	Water	7470A	

Analysis Batch: 881075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	7470A	881010
180-189089-6	FB-04	Total/NA	Water	7470A	881010
180-189089-7	EB-04	Total/NA	Water	7470A	881010

General Chemistry

Analysis Batch: 493165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	SM 2540C	
180-188567-2	DUP-01	Total/NA	Water	SM 2540C	
MB 180-493165/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493165/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 493278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	SM2320 B	
180-188567-2	DUP-01	Total/NA	Water	SM2320 B	
MB 180-493278/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-493278/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-493278/27	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493278/28	Lab Control Sample	Total/NA	Water	SM2320 B	
180-188567-2 DU	DUP-01	Total/NA	Water	SM2320 B	

Analysis Batch: 493383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	SM 2540C	
180-188756-2	APMW-3D	Total/NA	Water	SM 2540C	
180-188756-3	APMW-7	Total/NA	Water	SM 2540C	
180-188756-4	DUP-04	Total/NA	Water	SM 2540C	
180-188756-5	FB-02	Total/NA	Water	SM 2540C	
180-188756-6	EB-02	Total/NA	Water	SM 2540C	
180-188756-7	APMW-6D	Total/NA	Water	SM 2540C	
MB 180-493383/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493383/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 493396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	SM2320 B	
180-188756-2	APMW-3D	Total/NA	Water	SM2320 B	

General Chemistry (Continued)

Analysis Batch: 493396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-3	APMW-7	Total/NA	Water	SM2320 B	
180-188756-4	DUP-04	Total/NA	Water	SM2320 B	
180-188756-5	FB-02	Total/NA	Water	SM2320 B	
180-188756-6	EB-02	Total/NA	Water	SM2320 B	
180-188756-7	APMW-6D	Total/NA	Water	SM2320 B	
MB 180-493396/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-493396/3	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493396/4	Lab Control Sample	Total/NA	Water	SM2320 B	
180-188756-1 DU	APMW-3	Total/NA	Water	SM2320 B	
180-188756-7 DU	APMW-6D	Total/NA	Water	SM2320 B	

Analysis Batch: 493559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	SM 2540C	
180-188806-2	APMW-2	Total/NA	Water	SM 2540C	
180-188806-3	APMW-4	Total/NA	Water	SM 2540C	
180-188806-4	APMW-5	Total/NA	Water	SM 2540C	
180-188806-5	APMW-8	Total/NA	Water	SM 2540C	
180-188806-6	APMW-9	Total/NA	Water	SM 2540C	
180-188806-7	APMW-10	Total/NA	Water	SM 2540C	
180-188806-9	APMW-12	Total/NA	Water	SM 2540C	
180-188806-11	APMW-4D	Total/NA	Water	SM 2540C	
180-188806-12	APMW-5D	Total/NA	Water	SM 2540C	
180-188806-14	DUP-03	Total/NA	Water	SM 2540C	
180-188806-15	FB-01	Total/NA	Water	SM 2540C	
180-188806-17	DUP-02	Total/NA	Water	SM 2540C	
MB 180-493559/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493559/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188806-15 DU	FB-01	Total/NA	Water	SM 2540C	

Analysis Batch: 493564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-8	APMW-11	Total/NA	Water	SM 2540C	
180-188806-10	APMW-2D	Total/NA	Water	SM 2540C	
180-188806-13	APMW-10D	Total/NA	Water	SM 2540C	
180-188806-16	EB-01	Total/NA	Water	SM 2540C	
MB 180-493564/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493564/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188806-16 DU	EB-01	Total/NA	Water	SM 2540C	

Analysis Batch: 493575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	SM2320 B	
180-188806-2	APMW-2	Total/NA	Water	SM2320 B	
180-188806-3	APMW-4	Total/NA	Water	SM2320 B	
180-188806-4	APMW-5	Total/NA	Water	SM2320 B	
180-188806-5	APMW-8	Total/NA	Water	SM2320 B	
180-188806-6	APMW-9	Total/NA	Water	SM2320 B	
180-188806-7	APMW-10	Total/NA	Water	SM2320 B	
180-188806-8	APMW-11	Total/NA	Water	SM2320 B	
180-188806-9	APMW-12	Total/NA	Water	SM2320 B	

General Chemistry (Continued)

Analysis Batch: 493575 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-10	APMW-2D	Total/NA	Water	SM2320 B	
180-188806-11	APMW-4D	Total/NA	Water	SM2320 B	
180-188806-12	APMW-5D	Total/NA	Water	SM2320 B	
180-188806-13	APMW-10D	Total/NA	Water	SM2320 B	
180-188806-14	DUP-03	Total/NA	Water	SM2320 B	
180-188806-15	FB-01	Total/NA	Water	SM2320 B	
180-188806-16	EB-01	Total/NA	Water	SM2320 B	
180-188806-17	DUP-02	Total/NA	Water	SM2320 B	
MB 180-493575/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-493575/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-493575/27	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-493575/3	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493575/28	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493575/4	Lab Control Sample	Total/NA	Water	SM2320 B	
180-188806-8 DU	APMW-11	Total/NA	Water	SM2320 B	
180-188806-10 DU	APMW-2D	Total/NA	Water	SM2320 B	

Analysis Batch: 493726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total/NA	Water	SM 2540C	
180-188962-6	FB-03	Total/NA	Water	SM 2540C	
180-188962-7	APMW-16	Total/NA	Water	SM 2540C	
180-188962-8	APMW-15	Total/NA	Water	SM 2540C	
180-188962-9	APMW-14	Total/NA	Water	SM 2540C	
180-188962-10	APMW-13	Total/NA	Water	SM 2540C	
180-188962-11	DUP-05	Total/NA	Water	SM 2540C	
MB 180-493726/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493726/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188962-5 DU	EB-03	Total/NA	Water	SM 2540C	

Analysis Batch: 493762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total/NA	Water	SM2320 B	
180-188962-6	FB-03	Total/NA	Water	SM2320 B	
180-188962-7	APMW-16	Total/NA	Water	SM2320 B	
180-188962-8	APMW-15	Total/NA	Water	SM2320 B	
180-188962-9	APMW-14	Total/NA	Water	SM2320 B	
180-188962-10	APMW-13	Total/NA	Water	SM2320 B	
180-188962-11	DUP-05	Total/NA	Water	SM2320 B	
MB 180-493762/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-493762/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-493762/27	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-493762/3	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493762/28	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493762/4	Lab Control Sample	Total/NA	Water	SM2320 B	
180-188962-6 DU	FB-03	Total/NA	Water	SM2320 B	

Analysis Batch: 493820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	SM 2540C	
180-189089-6	FB-04	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 493820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-493820/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493820/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-189089-6 DU	FB-04	Total/NA	Water	SM 2540C	

Analysis Batch: 493822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-7	EB-04	Total/NA	Water	SM 2540C	
MB 180-493822/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493822/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-189089-7 DU	EB-04	Total/NA	Water	SM 2540C	

Analysis Batch: 493868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	SM2320 B	
180-189089-6	FB-04	Total/NA	Water	SM2320 B	
180-189089-7	EB-04	Total/NA	Water	SM2320 B	
MB 180-493868/29	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-493868/27	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-493868/28	Lab Control Sample	Total/NA	Water	SM2320 B	
180-189089-1 DU	APMW-8D	Total/NA	Water	SM2320 B	
180-189089-6 DU	FB-04	Total/NA	Water	SM2320 B	

Field Service / Mobile Lab

Analysis Batch: 494379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-1	APMW-1R	Total/NA	Water	Field Sampling	
180-188806-2	APMW-2	Total/NA	Water	Field Sampling	
180-188806-3	APMW-4	Total/NA	Water	Field Sampling	
180-188806-4	APMW-5	Total/NA	Water	Field Sampling	
180-188806-5	APMW-8	Total/NA	Water	Field Sampling	
180-188806-6	APMW-9	Total/NA	Water	Field Sampling	
180-188806-7	APMW-10	Total/NA	Water	Field Sampling	
180-188806-8	APMW-11	Total/NA	Water	Field Sampling	
180-188806-9	APMW-12	Total/NA	Water	Field Sampling	
180-188806-10	APMW-2D	Total/NA	Water	Field Sampling	
180-188806-11	APMW-4D	Total/NA	Water	Field Sampling	
180-188806-12	APMW-5D	Total/NA	Water	Field Sampling	
180-188806-13	APMW-10D	Total/NA	Water	Field Sampling	

Analysis Batch: 494381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	Field Sampling	
180-188756-1	APMW-3	Total/NA	Water	Field Sampling	
180-188756-2	APMW-3D	Total/NA	Water	Field Sampling	
180-188756-3	APMW-7	Total/NA	Water	Field Sampling	
180-188756-7	APMW-6D	Total/NA	Water	Field Sampling	
180-188962-7	APMW-16	Total/NA	Water	Field Sampling	
180-188962-8	APMW-15	Total/NA	Water	Field Sampling	
180-188962-9	APMW-14	Total/NA	Water	Field Sampling	
180-188962-10	APMW-13	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 494381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Todd Voreis / KEITH KRISANAK	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 402-517-0342	E-Mail: shali.brown@eurofinset.com		Page
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
APMW-6R	31MAR25	1526	G	W			X	X	X	X	X	X	X	X	6	
DUP-01	31MAR25	1426	G	W			X	X	X	X	X	X	X	X	6	
PZ-4	31MAR25	1504	G	W			X	X	X	X	X	X	X	X	6	

180-188567 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Todd Voreis	1APR25 1530	RDH ENV		4/2/25 0945	EFTNO
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heydorfer / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special
			Preservation Code:																		
APMW-3	4-4-25	0834	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-3D	4-4-25	1002	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-7	4-4-25	1135	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-04	4-4-25	1035	G	water	No		X	X	X	X	X		X	X	X					6	
FB-02	4-4-25	1246	G	water	No		X	X	X	X	X		X	X	X					6	
EB-02	4-4-25	1255	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-6D	4-4-25	1434	G	water	No		X	X	X	X	X		X	X	X					6	
2D-6S	4-4-25	1323	G	water	No		X	X	X	X	X		X	X	X					6	

180-188756 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	4-4-24 1522	EHM		4/5/25 0950	Eurofins
Relinquished by:					
Relinquished by:					

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / Keith Krissman (KK)	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
APMW-1R	4-3-25	0854	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-2	4-3-25	1059	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-4	4-3-25	1034	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-5	4-3-25	1415	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-8	4-3-25	1400	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-9	4-3-25	1157	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-10	4-2-25	1435	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-11	4-2-25	1338	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-12	4-2-25	1519	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-2D	4-3-25	1333	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-4D	4-3-25	0850	G	water	No		X	X	X	X	X		X	X	X					6	

180-188806 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-3-25 1554	GDH ENV.	[signature]	4-4-25 0900	STL
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Heydendorfer / Keith Krisman / TODD WORLEY	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
APMW-5D	4-3-25	1315	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-10D	4-3-25	1030	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-03	4-3-25	0934	G	water	No		X	X	X	X	X		X	X	X					6	
FR-01	4-3-25	0933	G	water	No		X	X	X	X	X		X	X	X					6	
EB-01	4-3-25	0944	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-02	4-2-25	1335	G	water	No		X	X	X	X	X		X	X	X					6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4-3-25 1554	Company: KDH ENV	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heydorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
TW-1	4-9-25	1440	G	water	N		X	X	X	X	X		X	X	X					6	
TD-GS	4-9-25	1212	G	water	N		X	X	X	X	X		X	X	X					6	
DUP-06	4-9-25	0915	G	water	N		X	X	X	X	X		X	X	X					6	
ID-GS	4-9-25	1015	G	water	N		X	X	X	X	X		X	X	X					6	
EB-03	4-9-25	0812	G	water	N		X	X	X	X	X		X	X	X					6	
FB-03	4-9-25	0802	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-16	4-8-25	0945	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-15	4-8-25	1057	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-14	4-8-25	1303	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-13	4-8-25	1527	G	water	N		X	X	X	X	X		X	X	X					6	
DUP-05	4-8-25	1203	G	water	N		X	X	X	X	X		X	X	X					6	

180-188962 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-9-25 1551	KSH ENV.			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-189089 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Laura Hagendorfer / Keith Krisman	Lab PM: Brown, Shali	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofin...	Page: 1 of 1
Company: SCS			Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: AL, 35243			
Phone: 205-992-6283	PO #:		
Email: SCS Contacts	WO #:		
Project Name: Plant Watson Ash Pond	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Radium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
Preservation Code:																					
APMW-8D	4-10-25	1101	G	water	NO		X	X	X	X	X		X	X	X					6	
TW-2	4-10-25	1141	G	water	NO		X	X	X	X	X		X	X	X					6	
GD-GS	4-10-25	1335	G	water	NO		X	X	X	X	X		X	X	X					6	
DUP-07	4-10-25	1235	G	water	NO		X	X	X	X	X		X	X	X					6	
4DG-S	4-11-25	0852	G	water	NO		X	X	X	X	X		X	X	X					6	
FB-04	4-11-25	0746	G	water	NO		X	X	X	X	X		X	X	X					6	
EB-04	4-11-25	0758	G	water	NO		X	X	X	X	X		X	X	X					6	
DUP-08	4-11-25	0752	G	water	NO		X	X	X	X	X		X	X	X					6	
SD-GS	4-11-25	1045	G	water	NO		X	X	X	X	X		X	X	X					6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

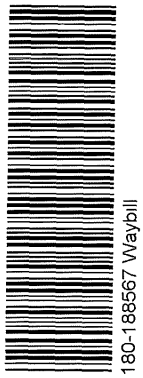
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4-11-25 1236	EA	[signature]	4/12/25 1110	EA
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019



Do Not Lift Using This Tag

ORIGIN ID:BIXA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01APR25
ACTWGT: 63.05 LB
CAD: 6993800/SSFE2600
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-A99-THERM-EXP 10/25

TO

EUROFINS
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp °C
Thermometer ID 4.4 25
CF -0.4 Initials AR
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J25102412170 1uV

2 of 2
MPS# 0263 2870 9817 5225
Mstr# 2870 9817 5214

WE 02 APR 10:30A
PRIORITY OVERNIGHT
0201
AHS
15238
PA-US PIT

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not lift using th

ID:BIXA (850) 336-0192
RICA PITTSBURGH LAB
ERS 5 BEFORE BILL
HA DR
RGH, PA 15238
STATES US

SHIP DATE: (
ACTWGT: 70.(
CAD: 6993795
DIMS: 24x15)

BILL THIRD F

IOFINS TEST AMERICA
ALPHA DRIVE
C PARK
TSBURGH PA 15238
-9999 REF:

DEPT:

Uncorrected temp °C
Thermometer ID 2.2 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

3 of 3
72 2709 8796
72 2709 8774 0201
AGCA PA

SATURD
PRIORITY O

Page 108 of 124

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 04APR25
ACTWGT: 70.60 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x16 IN

BILL THIRD PARTY

TO
EUROFINS TEST AMERICA
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

Thermometer ID 2.3 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

Part # 156297-4950-RRRRR-YMP 10/25

2 of 3
MPS# 0263 2872 2709 8785
Mstr# 2872 2709 8774 0201
XO AGCA PA-US

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PIT

180-188756 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 04APR25
ACTWGT: 70.60 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x16 IN

BILL THIRD PARTY

TO
EUROFINS TEST AMERICA
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 2.6 °C
Thermometer ID 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

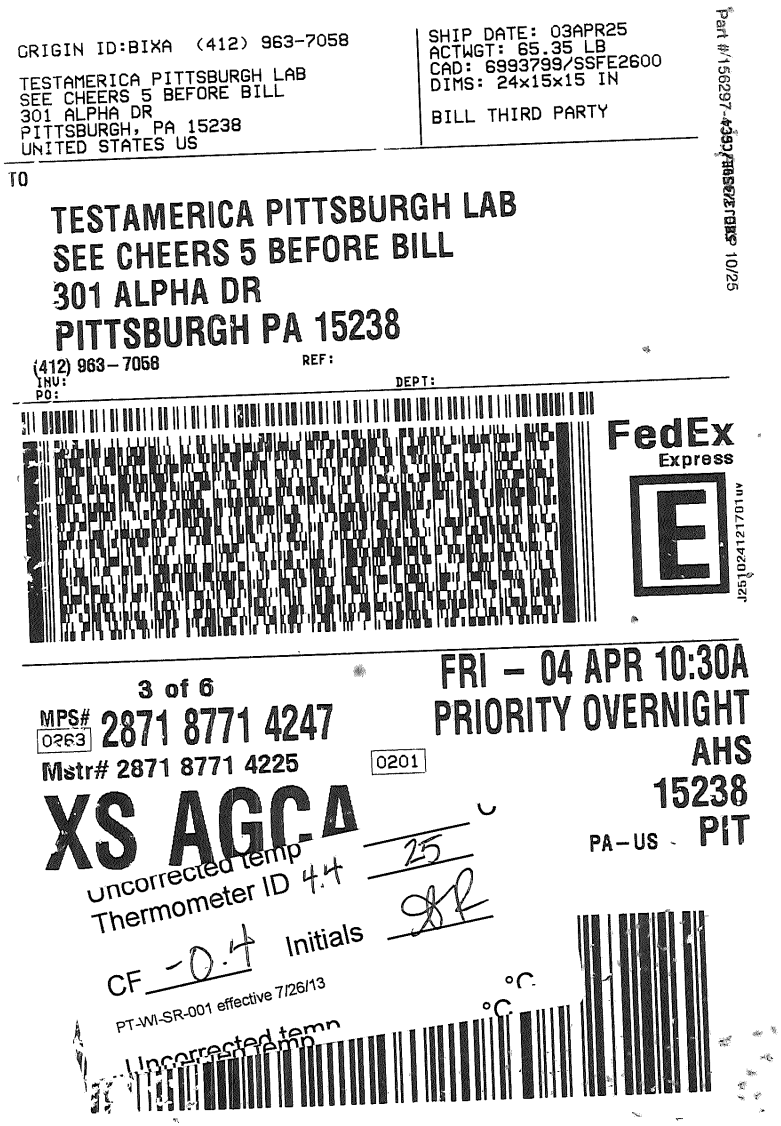
FedEx Express

Part # 156297-4950-RRRRR-YMP 10/25

1 of 3
TRK# 0201 2872 2709 8774
MASTER
XO AGCA PA-US

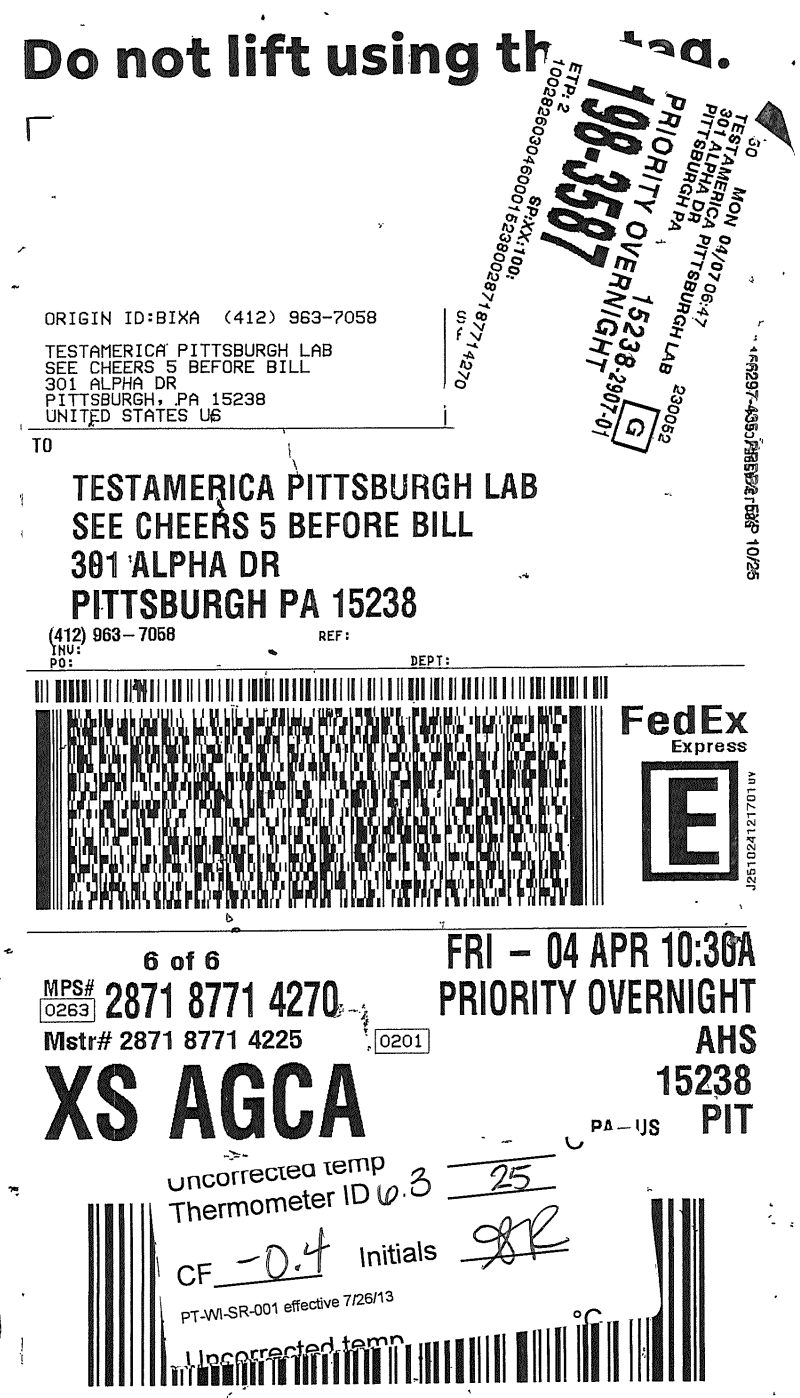
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PIT

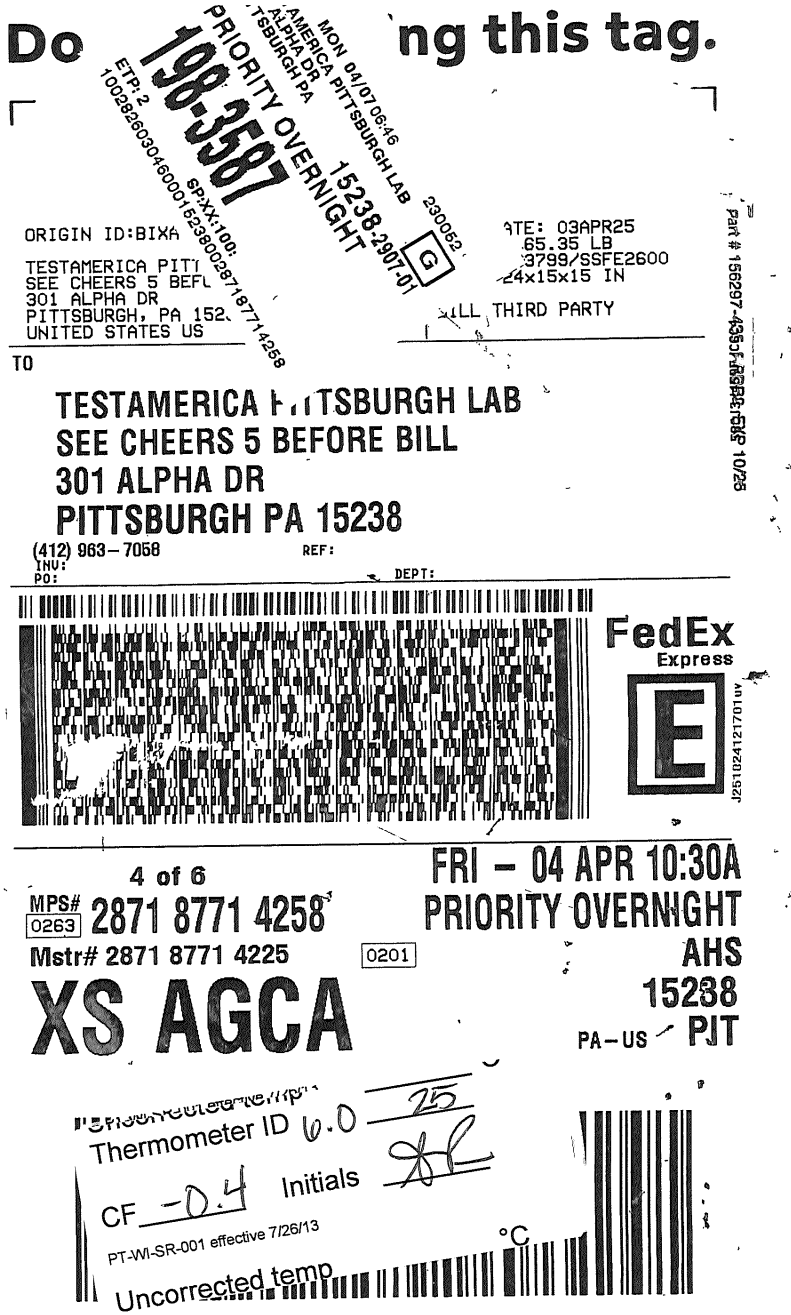
5/29/2025 (Rev. 1)

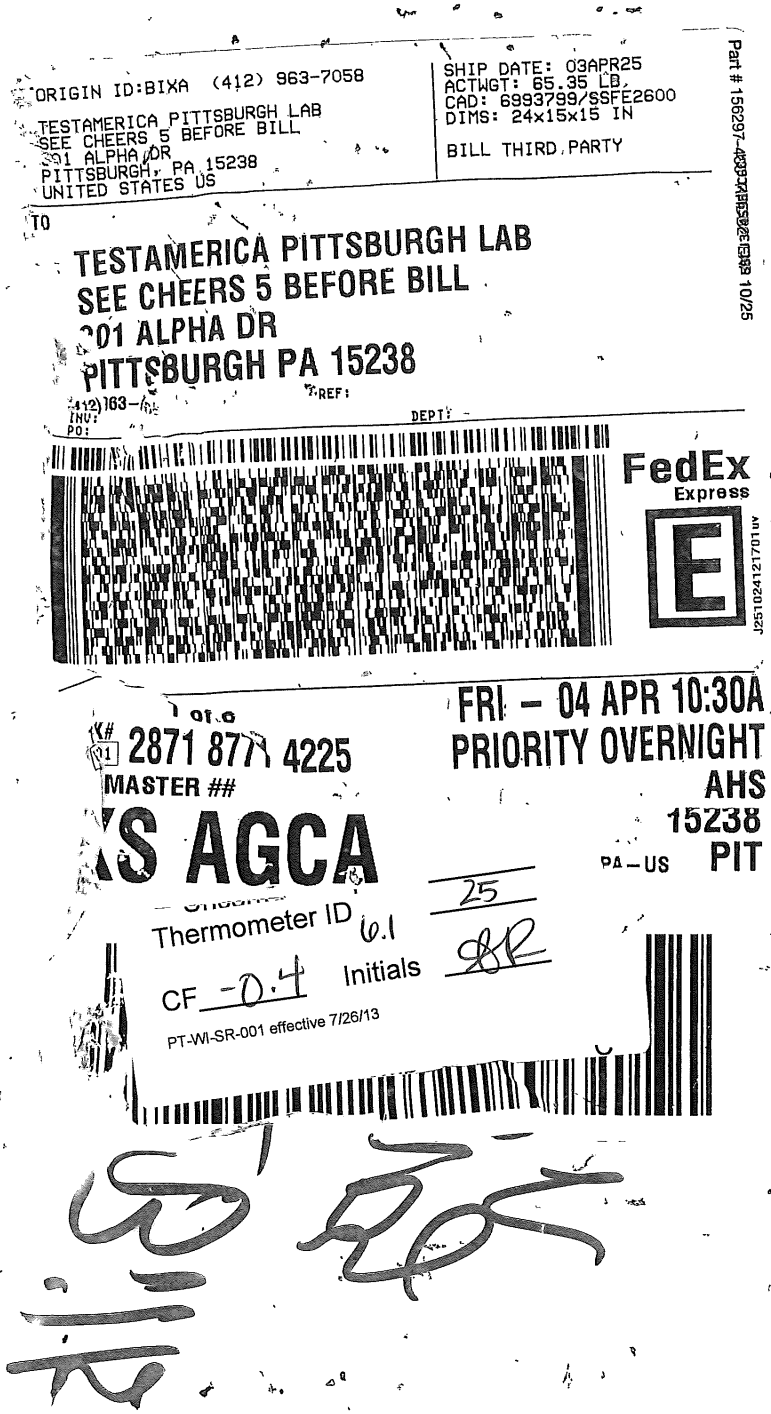




180-188806 Waybill


Do not lift using th tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx Express
6 of 6
MPS# 0263 2871 8771 4270
Mstr# 2871 8771 4225
0201
XS AGCA
FRI - 04 APR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PIT
PA-US
Uncorrected temp
Thermometer ID 6.3 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
°C
198-3587
PRIORITY OVERNIGHT
15238-2907-01
MON 04/07 06:47
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
230052
ETP: 2
SP:XX:100
Part # 152997-435-2
EXP 10/25


Do ng this tag.
198-3587
PRIORITY OVERNIGHT
15238-2907-01
MON 04/07 06:46
AMERICA PITTSBURGH LAB
ALPHA DR
TSBURGH PA
230052
ETP: 2
SP:XX:100
ORIGIN ID:BIXA
TESTAMERICA PITT
SEE CHEERS 5 BEFL
301 ALPHA DR
PITTSBURGH, PA 152
UNITED STATES US
ATE: 03APR25
65.35 LB
3799/SSFE2600
24x15x15 IN
ILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:
FedEx Express
4 of 6
MPS# 0263 2871 8771 4258
Mstr# 2871 8771 4225
0201
XS AGCA
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PRIORITY OVERNIGHT
AHS
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PA-US PIT
Thermometer ID 6.0 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
°C
Uncorrected temp
Part # 152997-435-2
EXP 10/25



Thermometer ID 6.1 25

CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

Missing an airbill

ORIGIN ID:BIXA (4
TESTAMERICA PITTSB
SEE CHEERS 5 BEFOR
301 ALPHA DR
PITTSBURGH, PA 152
UNITED STATES US

412) 963-7058
BURGH LAB
RE BILL
238

SHIP DATE: 1
ACTWGT: 72.2
CAD: 6993800
DIMS: 24x14x
BILL THIRD P

TO
TESTAMERICA PITTSBURGH
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

3 of 3
MPS# 0263 2874 7451 1115
Mstr# 2874 7451 1090 0201
XO AGCA
Thermometer ID 3.6 25
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

1 of 3
TRK# 0201 2874 7451 1090
MASTER
SATUR
PRIORITY
XO AGCA
Uncorrected temp 2.7 °C
Thermometer ID 25
CF -0.4 Initials KR

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP
ACTWGT
CAD: 6
DIMS: 2
BILL THIR

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

FedEx Express

2 of 3
MPS# 0263 2874 7451 1104
Mstr# 2874 7451 1090 0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XO AGCA
Uncorrected temp 4.0 °C
Thermometer ID 25
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536030.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188567-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/15/2025			
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury (CVAA)	6020B/3005A (MOD) Custom 21 (App III & IV +7)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
APMW-6R (180-188567-1)	3/31/25	15:26 Eastern	G	Water			X	X	2	
DUP-01 (180-188567-2)	3/31/25	14:26 Eastern	G	Water			X	X	2	
PZ-4 (180-188567-3)	3/31/25	15:04 Eastern	G	Water			X	X	2	

Preservation Codes: -
Other: N/A
Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/3/25 1700	BFMS		4/7/25 1230	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 24.4/24.4

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536738.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-189089-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/28/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury (CVAA)	6020B/3005A (MOD) Custom 21 (App III & IV +7)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
APMW-8D (180-189089-1)	4/10/25	11:01 Eastern	G	Water			X	X	2	
TW-2 (180-189089-2)	4/10/25	11:41 Eastern	G	Water			X	X	2	
6D-GS (180-189089-3)	4/10/25	13:35 Eastern	G	Water			X	X	2	
DUP-07 (180-189089-4)	4/10/25	12:35 Eastern	G	Water			X	X	2	
4D-GS (180-189089-5)	4/11/25	08:52 Eastern	G	Water			X	X	2	
FB-04 (180-189089-6)	4/11/25	07:46 Eastern	G	Water			X	X	2	
EB-04 (180-189089-7)	4/11/25	07:58 Eastern	G	Water			X	X	2	
DUP-08 (180-189089-8)	4/11/25	07:52 Eastern	G	Water			X	X	2	
5D-GS (180-189089-9)	4/11/25	10:45 Eastern	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-14-25 1700	EPI/MKE		4/15/25 1025	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 16.7 / 16.7

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188567
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188567
List Number: 3
Creator: Johnson, Corey M

List Source: Eurofins Savannah
List Creation: 04/07/25 02:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188756
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188756
List Number: 3
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 04/11/25 01:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188806
List Number: 1
Creator: Kovitch, Christina M

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188806
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 04/09/25 11:57 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188962
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 188962
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 04/12/25 11:26 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 189089
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-1

Login Number: 189089
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 04/15/25 11:20 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 5/29/2025 8:57:46 AM Revision 1

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-188567-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
5/29/2025 8:57:46 AM
Revision 1

Authorized for release by
Shali Brown, Project Manager II
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Job ID: 180-188567-2 — Eurofins Pittsburgh

Job Narrative
180-188567-2

052925 Revised report to remove the following samples at client request: PZ-4, TW-1, TW-2, 1D-GS, 2D-GS,4D-GD, 5D-GS, 6D-GS, 7D-GS, DUP-06, DUP-07, DUP-08. This report is one of two that replaces the report previously issued on 051625.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/2/2025 9:45 AM, 4/5/2025 9:50 AM, 4/7/2025 9:00 AM, 4/10/2025 9:20 AM and 4/12/2025 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 16 coolers at receipt time were 1.1°C, 1.2°C, 1.4°C, 1.8°C, 1.9°C, 2.2°C, 2.3°C, 2.7°C, 3.2°C, 3.6°C, 4.0°C, 5.6°C, 5.7°C, 5.7°C, 5.9°C and 5.9°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 Prep Batch 160-712125:
The laboratory control sample and/or laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 128%: (LCS 160-712125/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%). The LCS is within criteria and no further action is required.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-188567-1	APMW-6R	Water	03/31/25 15:26	04/02/25 09:45
180-188567-2	DUP-01	Water	03/31/25 14:26	04/02/25 09:45
180-188756-1	APMW-3	Water	04/04/25 08:34	04/05/25 09:50
180-188756-2	APMW-3D	Water	04/04/25 10:02	04/05/25 09:50
180-188756-3	APMW-7	Water	04/04/25 11:35	04/05/25 09:50
180-188756-4	DUP-04	Water	04/04/25 10:35	04/05/25 09:50
180-188756-5	FB-02	Water	04/04/25 12:46	04/05/25 09:50
180-188756-6	EB-02	Water	04/04/25 12:55	04/05/25 09:50
180-188756-7	APMW-6D	Water	04/04/25 14:34	04/05/25 09:50
180-188806-1	APMW-1R	Water	04/03/25 08:54	04/07/25 09:00
180-188806-2	APMW-2	Water	04/03/25 10:59	04/07/25 09:00
180-188806-3	APMW-4	Water	04/03/25 10:34	04/07/25 09:00
180-188806-4	APMW-5	Water	04/03/25 14:15	04/07/25 09:00
180-188806-5	APMW-8	Water	04/03/25 14:00	04/07/25 09:00
180-188806-6	APMW-9	Water	04/03/25 11:57	04/07/25 09:00
180-188806-7	APMW-10	Water	04/02/25 14:35	04/07/25 09:00
180-188806-8	APMW-11	Water	04/02/25 13:38	04/07/25 09:00
180-188806-9	APMW-12	Water	04/02/25 15:19	04/07/25 09:00
180-188806-10	APMW-2D	Water	04/03/25 13:33	04/07/25 09:00
180-188806-11	APMW-4D	Water	04/03/25 08:50	04/07/25 09:00
180-188806-12	APMW-5D	Water	04/03/25 13:15	04/07/25 09:00
180-188806-13	APMW-10D	Water	04/03/25 10:30	04/07/25 09:00
180-188806-14	DUP-03	Water	04/03/25 09:34	04/07/25 09:00
180-188806-15	FB-01	Water	04/03/25 09:33	04/07/25 09:00
180-188806-16	EB-01	Water	04/03/25 09:44	04/07/25 09:00
180-188806-17	DUP-02	Water	04/02/25 13:35	04/07/25 09:00
180-188962-5	EB-03	Water	04/09/25 08:12	04/10/25 09:20
180-188962-6	FB-03	Water	04/09/25 08:02	04/10/25 09:20
180-188962-7	APMW-16	Water	04/08/25 09:45	04/10/25 09:20
180-188962-8	APMW-15	Water	04/08/25 10:57	04/10/25 09:20
180-188962-9	APMW-14	Water	04/08/25 13:03	04/10/25 09:20
180-188962-10	APMW-13	Water	04/08/25 15:27	04/10/25 09:20
180-188962-11	DUP-05	Water	04/08/25 12:03	04/10/25 09:20
180-189089-1	APMW-8D	Water	04/10/25 11:01	04/12/25 11:10
180-189089-6	FB-04	Water	04/11/25 07:46	04/12/25 11:10
180-189089-7	EB-04	Water	04/11/25 07:58	04/12/25 11:10

Method Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-6R
Date Collected: 03/31/25 15:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.01 mL	1.0 g	710991	04/07/25 07:32	OGC	EET SL
Total/NA	Analysis	9315		1			715696	05/02/25 13:06	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.01 mL	1.0 g	710992	04/07/25 07:40	OGC	EET SL
Total/NA	Analysis	9320		1			715696	05/02/25 09:58	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			715740	05/02/25 16:47	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/31/25 14:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.42 mL	1.0 g	710991	04/07/25 07:32	OGC	EET SL
Total/NA	Analysis	9315		1			715696	05/02/25 13:07	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.42 mL	1.0 g	710992	04/07/25 07:40	OGC	EET SL
Total/NA	Analysis	9320		1			715696	05/02/25 09:58	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			715740	05/02/25 16:47	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3
Date Collected: 04/04/25 08:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.66 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.66 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D
Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.36 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-3D
Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1007.36 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7
Date Collected: 04/04/25 11:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1010.66 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1010.66 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04
Date Collected: 04/04/25 10:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.81 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.81 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Date Collected: 04/04/25 12:46
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.06 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.06 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 12:00	CMM	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-02
Date Collected: 04/04/25 12:46
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL

Client Sample ID: EB-02
Date Collected: 04/04/25 12:55
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.36 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.36 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 12:00	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6D
Date Collected: 04/04/25 14:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.41 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.41 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 12:00	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/15/25 17:39	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-1R
Date Collected: 04/03/25 08:54
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.04 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.04 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 12:00	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-2
Date Collected: 04/03/25 10:59
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.65 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 18:38	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1004.65 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4
Date Collected: 04/03/25 10:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.62 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:30	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1004.62 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5
Date Collected: 04/03/25 14:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1011.45 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:30	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1011.45 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8
Date Collected: 04/03/25 14:00
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.77 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:30	SCB	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-8
Date Collected: 04/03/25 14:00
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.77 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9
Date Collected: 04/03/25 11:57
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.74 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:30	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1000.74 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10
Date Collected: 04/02/25 14:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.14 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:31	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.14 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11
Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.33 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717147	05/12/25 18:31	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1000.33 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717159	05/12/25 11:54	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-11
Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL

Client Sample ID: APMW-12
Date Collected: 04/02/25 15:19
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.81 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 20:40	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.81 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2D
Date Collected: 04/03/25 13:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.59 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 20:41	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.59 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D
Date Collected: 04/03/25 08:50
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.03 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:52	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.03 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D

Lab Sample ID: 180-188806-12

Date Collected: 04/03/25 13:15

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.38 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:52	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.38 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D

Lab Sample ID: 180-188806-13

Date Collected: 04/03/25 10:30

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.34 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:53	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.34 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-188806-14

Date Collected: 04/03/25 09:34

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.68 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:53	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.68 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-188806-15

Date Collected: 04/03/25 09:33

Matrix: Water

Date Received: 04/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.84 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:53	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-01
Date Collected: 04/03/25 09:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.84 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 04/03/25 09:44
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.64 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:53	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.64 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 04/02/25 13:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.31 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716201	05/06/25 20:53	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.31 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03
Date Collected: 04/09/25 08:12
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.00 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1007.00 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: EB-03
Date Collected: 04/09/25 08:12
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL

Client Sample ID: FB-03
Date Collected: 04/09/25 08:02
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.27 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.27 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-16
Date Collected: 04/08/25 09:45
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.81 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			756.81 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15
Date Collected: 04/08/25 10:57
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.96 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			755.96 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-14
Date Collected: 04/08/25 13:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.21 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1007.21 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13
Date Collected: 04/08/25 15:27
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.22 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:44	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.22 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-05
Date Collected: 04/08/25 12:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.57 mL	1.0 g	712849	04/17/25 07:46	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 16:45	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.57 mL	1.0 g	712850	04/17/25 07:49	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 11:59	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D
Date Collected: 04/10/25 11:01
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.38 mL	1.0 g	713491	04/21/25 07:44	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 21:00	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-8D
Date Collected: 04/10/25 11:01
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	713494	04/21/25 07:47	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 11:38	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-04
Date Collected: 04/11/25 07:46
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.63 mL	1.0 g	713491	04/21/25 07:44	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 22:04	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1000.63 mL	1.0 g	713494	04/21/25 07:47	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 11:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-04
Date Collected: 04/11/25 07:58
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.55 mL	1.0 g	713491	04/21/25 07:44	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 22:04	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1002.55 mL	1.0 g	713494	04/21/25 07:47	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 11:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 16:40	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Analyst References:
Lab: EET SL
Batch Type: Prep
OGC = Olivia Carr
Batch Type: Analysis
CMM = Chelsea Mazariegos
SCB = Sarah Bernsen
SWS = Seth Stubblefield

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-6R

Date Collected: 03/31/25 15:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.441		0.263	0.266	1.00	0.349	pCi/L	04/07/25 07:32	05/02/25 13:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*04/07/25 07:32*	*05/02/25 13:06*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.39		0.608	0.684	1.00	0.505	pCi/L	04/07/25 07:40	05/02/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*04/07/25 07:40*	*05/02/25 09:58*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/07/25 07:40*	*05/02/25 09:58*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.83		0.662	0.734	5.00	0.505	pCi/L		05/02/25 16:47	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: DUP-01

Date Collected: 03/31/25 14:26
Date Received: 04/02/25 09:45

Lab Sample ID: 180-188567-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.402		0.257	0.259	1.00	0.352	pCi/L	04/07/25 07:32	05/02/25 13:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/07/25 07:32*	*05/02/25 13:07*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.68		0.552	0.605	1.00	0.495	pCi/L	04/07/25 07:40	05/02/25 09:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/07/25 07:40*	*05/02/25 09:58*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/07/25 07:40*	*05/02/25 09:58*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.09		0.609	0.658	5.00	0.495	pCi/L		05/02/25 16:47	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-3

Date Collected: 04/04/25 08:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.535		0.256	0.260	1.00	0.295	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.18		0.728	0.870	1.00	0.483	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.72		0.772	0.908	5.00	0.483	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-3D

Date Collected: 04/04/25 10:02
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0130	U	0.164	0.164	1.00	0.329	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0539	U	0.290	0.290	1.00	0.532	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*78.5*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0669	U	0.333	0.333	5.00	0.532	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-7

Date Collected: 04/04/25 11:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.07		0.458	0.494	1.00	0.368	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.51		0.683	0.799	1.00	0.530	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.58		0.822	0.939	5.00	0.530	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: DUP-04

Date Collected: 04/04/25 10:35
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.95		0.429	0.464	1.00	0.339	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.04		0.711	0.849	1.00	0.568	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.99		0.830	0.968	5.00	0.568	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-02

Date Collected: 04/04/25 12:46
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0520	U	0.150	0.150	1.00	0.283	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0419	U	0.282	0.282	1.00	0.541	pCi/L	04/11/25 07:51	05/12/25 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0100	U	0.319	0.319	5.00	0.541	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: EB-02

Date Collected: 04/04/25 12:55
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0130	U	0.143	0.143	1.00	0.293	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.269	U	0.391	0.391	1.00	0.658	pCi/L	04/11/25 07:51	05/12/25 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*
Y Carrier	*75.1*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.282	U	0.416	0.416	5.00	0.658	pCi/L		05/15/25 17:39	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-6D

Date Collected: 04/04/25 14:34
Date Received: 04/05/25 09:50

Lab Sample ID: 180-188756-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.642**		0.258	0.264	1.00	0.256	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.563	U	0.385	0.388	1.00	0.582	pCi/L	04/11/25 07:51	05/12/25 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.20**		0.463	0.469	5.00	0.582	pCi/L		05/15/25 17:39	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-1R

Date Collected: 04/03/25 08:54
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.53		0.726	0.934	1.00	0.296	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.35		0.815	1.06	1.00	0.486	pCi/L	04/11/25 07:51	05/12/25 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.9		1.09	1.41	5.00	0.486	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-2

Date Collected: 04/03/25 10:59
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	8.85		0.839	1.16	1.00	0.362	pCi/L	04/11/25 07:47	05/12/25 18:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*109*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.81		0.851	1.18	1.00	0.472	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*109*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	17.7		1.20	1.65	5.00	0.472	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-4

Date Collected: 04/03/25 10:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.411		0.227	0.230	1.00	0.278	pCi/L	04/11/25 07:47	05/12/25 18:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:30*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.967		0.429	0.438	1.00	0.580	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.38		0.485	0.495	5.00	0.580	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-5

Date Collected: 04/03/25 14:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.414		0.235	0.238	1.00	0.302	pCi/L	04/11/25 07:47	05/12/25 18:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:30*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.57		0.544	0.593	1.00	0.511	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.98		0.593	0.639	5.00	0.511	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-8

Date Collected: 04/03/25 14:00
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.17		0.381	0.396	1.00	0.415	pCi/L	04/11/25 07:47	05/12/25 18:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:30*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.48		0.722	0.831	1.00	0.583	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.65		0.816	0.921	5.00	0.583	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-9

Date Collected: 04/03/25 11:57
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.69		0.497	0.553	1.00	0.327	pCi/L	04/11/25 07:47	05/12/25 18:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:30*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.55		0.741	0.900	1.00	0.531	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*83.4*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.24		0.892	1.06	5.00	0.531	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-10

Date Collected: 04/02/25 14:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.785		0.286	0.295	1.00	0.280	pCi/L	04/11/25 07:47	05/12/25 18:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.77		0.495	0.521	1.00	0.512	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.56		0.572	0.599	5.00	0.512	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-11

Date Collected: 04/02/25 13:38
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0680	U	0.150	0.150	1.00	0.274	pCi/L	04/11/25 07:47	05/12/25 18:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*04/11/25 07:47*	*05/12/25 18:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.419	U	0.311	0.313	1.00	0.471	pCi/L	04/11/25 07:51	05/12/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.487**		0.345	0.347	5.00	0.471	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-12

Date Collected: 04/02/25 15:19
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0656	U	0.218	0.218	1.00	0.399	pCi/L	04/11/25 07:24	05/06/25 20:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:40*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.325	U	0.365	0.366	1.00	0.597	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.390	U	0.425	0.426	5.00	0.597	pCi/L		05/09/25 14:04	1

Client Sample ID: APMW-2D

Date Collected: 04/03/25 13:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0489	U	0.147	0.147	1.00	0.279	pCi/L	04/11/25 07:24	05/06/25 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.320	U	0.263	0.265	1.00	0.593	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.271	U	0.301	0.303	5.00	0.593	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-4D

Date Collected: 04/03/25 08:50
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.841		0.295	0.304	1.00	0.283	pCi/L	04/11/25 07:24	05/06/25 20:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:52*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.75		0.841	1.05	1.00	0.563	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.59		0.891	1.09	5.00	0.563	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-5D

Date Collected: 04/03/25 13:15
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.140	U	0.118	0.118	1.00	0.331	pCi/L	04/11/25 07:24	05/06/25 20:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:52*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.204	U	0.293	0.293	1.00	0.611	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.344	U	0.316	0.316	5.00	0.611	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-10D

Date Collected: 04/03/25 10:30
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.231	U	0.235	0.236	1.00	0.375	pCi/L	04/11/25 07:24	05/06/25 20:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0871	U	0.325	0.325	1.00	0.583	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*83.4*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.318	U	0.401	0.402	5.00	0.583	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: DUP-03

Date Collected: 04/03/25 09:34
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.361		0.218	0.221	1.00	0.282	pCi/L	04/11/25 07:24	05/06/25 20:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.404	0.416	1.00	0.490	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.43		0.459	0.471	5.00	0.490	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-01

Date Collected: 04/03/25 09:33
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00910	U	0.143	0.143	1.00	0.309	pCi/L	04/11/25 07:24	05/06/25 20:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0682	U	0.291	0.291	1.00	0.574	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*81.9*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0773	U	0.324	0.324	5.00	0.574	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: EB-01

Date Collected: 04/03/25 09:44
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0122	U	0.113	0.113	1.00	0.254	pCi/L	04/11/25 07:24	05/06/25 20:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0731	U	0.303	0.304	1.00	0.548	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0609	U	0.323	0.324	5.00	0.548	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: DUP-02

Date Collected: 04/02/25 13:35
Date Received: 04/07/25 09:00

Lab Sample ID: 180-188806-17

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.827		0.324	0.332	1.00	0.364	pCi/L	04/11/25 07:24	05/06/25 20:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*04/11/25 07:24*	*05/06/25 20:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.852		0.410	0.418	1.00	0.563	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.68		0.523	0.534	5.00	0.563	pCi/L		05/09/25 14:04	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: EB-03

Date Collected: 04/09/25 08:12
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0317	U	0.172	0.172	1.00	0.365	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0384	U	0.292	0.292	1.00	0.558	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0701	U	0.339	0.339	5.00	0.558	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-03

Date Collected: 04/09/25 08:02
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0511	U	0.206	0.206	1.00	0.388	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0953	U	0.318	0.318	1.00	0.570	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.146	U	0.379	0.379	5.00	0.570	pCi/L		05/16/25 16:40	1

Client Sample ID: APMW-16

Date Collected: 04/08/25 09:45
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.425	U	0.308	0.310	1.00	0.429	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.81**		0.717	0.736	1.00	0.941	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*74.0*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**2.23**		0.780	0.799	5.00	0.941	pCi/L		05/16/25 16:40	1

Client Sample ID: APMW-15

Date Collected: 04/08/25 10:57
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.591**		0.342	0.346	1.00	0.431	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.681	U	0.558	0.562	1.00	0.874	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.27**		0.654	0.660	5.00	0.874	pCi/L		05/16/25 16:40	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-14

Date Collected: 04/08/25 13:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.98		0.439	0.474	1.00	0.278	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.75		0.641	0.728	1.00	0.530	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.74		0.777	0.869	5.00	0.530	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-13

Date Collected: 04/08/25 15:27
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.17		0.358	0.373	1.00	0.277	pCi/L	04/17/25 07:46	05/15/25 16:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:44*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.42		0.549	0.565	1.00	0.718	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.60		0.655	0.677	5.00	0.718	pCi/L		05/16/25 16:40	1

Client Sample ID: DUP-05

Date Collected: 04/08/25 12:03
Date Received: 04/10/25 09:20

Lab Sample ID: 180-188962-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.79		0.469	0.496	1.00	0.415	pCi/L	04/17/25 07:46	05/15/25 16:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*04/17/25 07:46*	*05/15/25 16:45*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.68		0.655	0.737	1.00	0.555	pCi/L	04/17/25 07:49	05/15/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/17/25 07:49*	*05/15/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.46		0.806	0.888	5.00	0.555	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: APMW-8D

Date Collected: 04/10/25 11:01
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0938	U	0.187	0.187	1.00	0.334	pCi/L	04/21/25 07:44	05/15/25 21:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*04/21/25 07:44*	*05/15/25 21:00*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0288	U	0.342	0.342	1.00	0.627	pCi/L	04/21/25 07:47	05/15/25 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:38*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.123	U	0.390	0.390	5.00	0.627	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: FB-04

Date Collected: 04/11/25 07:46
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0829	U	0.214	0.214	1.00	0.384	pCi/L	04/21/25 07:44	05/15/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*04/21/25 07:44*	*05/15/25 22:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.219	U	0.306	0.307	1.00	0.515	pCi/L	04/21/25 07:47	05/15/25 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:42*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:42*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.302	U	0.373	0.374	5.00	0.515	pCi/L		05/16/25 16:40	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-188567-2

Client Sample ID: EB-04

Date Collected: 04/11/25 07:58
Date Received: 04/12/25 11:10

Lab Sample ID: 180-189089-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.178	U	0.215	0.216	1.00	0.354	pCi/L	04/21/25 07:44	05/15/25 22:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*04/21/25 07:44*	*05/15/25 22:04*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0781	U	0.320	0.320	1.00	0.625	pCi/L	04/21/25 07:47	05/15/25 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:42*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/21/25 07:47*	*05/15/25 11:42*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0998	U	0.386	0.386	5.00	0.625	pCi/L		05/16/25 16:40	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-712124/1-A
Matrix: Water
Analysis Batch: 716200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712124

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1314	U	0.191	0.191	1.00	0.325	pCi/L	04/11/25 07:24	05/06/25 19:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*04/11/25 07:24*	*05/06/25 19:48*	*1*

Lab Sample ID: LCS 160-712124/2-A
Matrix: Water
Analysis Batch: 716200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712124

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.590		1.15	1.00	0.325	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.4*		*30 - 110*

Lab Sample ID: MB 160-712128/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712128

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.008397	U	0.124	0.124	1.00	0.263	pCi/L	04/11/25 07:47	05/12/25 16:41	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*04/11/25 07:47*	*05/12/25 16:41*	*1*

Lab Sample ID: LCS 160-712128/2-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712128

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.792		1.07	1.00	0.285	pCi/L	81	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*100*		*30 - 110*

Lab Sample ID: MB 160-712849/1-A
Matrix: Water
Analysis Batch: 717687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712849

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1921	U	0.174	0.175	1.00	0.252	pCi/L	04/17/25 07:46	05/15/25 16:29	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-712849/1-A
Matrix: Water
Analysis Batch: 717687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712849

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110	04/17/25 07:46	05/15/25 16:29	1

Lab Sample ID: LCS 160-712849/2-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712849

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.939		1.22	1.00	0.308	pCi/L	93	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.1		30 - 110

Lab Sample ID: MB 160-713491/1-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 713491

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02800	U	0.170	0.170	1.00	0.362	pCi/L	04/21/25 07:44	05/15/25 21:00	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110	04/21/25 07:44	05/15/25 21:00	1

Lab Sample ID: LCS 160-713491/2-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 713491

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.134		1.23	1.00	0.275	pCi/L	95	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.1		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-710992/1-A
Matrix: Water
Analysis Batch: 715696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 710992

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.03302	U	0.289	0.289	1.00	0.555	pCi/L	04/07/25 07:40	05/02/25 09:57	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110	04/07/25 07:40	05/02/25 09:57	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-710992/1-A
Matrix: Water
Analysis Batch: 715696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 710992

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	79.3		30 - 110	04/07/25 07:40	05/02/25 09:57	1

Lab Sample ID: LCS 160-710992/2-A
Matrix: Water
Analysis Batch: 715696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 710992

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.48	10.88		1.47	1.00	0.671	pCi/L	115	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.4		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: MB 160-712125/1-A
Matrix: Water
Analysis Batch: 716201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712125

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02180	U	0.317	0.317	1.00	0.589	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110	04/11/25 07:32	05/06/25 12:27	1
Y Carrier	80.7		30 - 110	04/11/25 07:32	05/06/25 12:27	1

Lab Sample ID: LCS 160-712125/2-A
Matrix: Water
Analysis Batch: 716201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712125

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.47	12.09		1.58	1.00	0.503	pCi/L	128	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.4		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-712129/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712129

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1663	U	0.310	0.311	1.00	0.534	pCi/L	04/11/25 07:51	05/12/25 11:58	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-712129/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712129

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110	04/11/25 07:51	05/12/25 11:58	1
Y Carrier	83.7		30 - 110	04/11/25 07:51	05/12/25 11:58	1

Lab Sample ID: LCS 160-712129/2-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712129

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	10.55		1.37	1.00	0.502	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	100		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: MB 160-712850/1-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712850

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02966	U	0.295	0.295	1.00	0.562	pCi/L	04/17/25 07:49	05/15/25 11:58	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110	04/17/25 07:49	05/15/25 11:58	1
Y Carrier	83.0		30 - 110	04/17/25 07:49	05/15/25 11:58	1

Lab Sample ID: LCS 160-712850/2-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712850

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.44	10.97		1.45	1.00	0.556	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.1		30 - 110
Y Carrier	84.1		30 - 110

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Prep Batch: 710991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	PrecSep-21	
180-188567-2	DUP-01	Total/NA	Water	PrecSep-21	

Prep Batch: 710992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188567-1	APMW-6R	Total/NA	Water	PrecSep_0	
180-188567-2	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-710992/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-710992/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-9	APMW-12	Total/NA	Water	PrecSep-21	
180-188806-10	APMW-2D	Total/NA	Water	PrecSep-21	
180-188806-11	APMW-4D	Total/NA	Water	PrecSep-21	
180-188806-12	APMW-5D	Total/NA	Water	PrecSep-21	
180-188806-13	APMW-10D	Total/NA	Water	PrecSep-21	
180-188806-14	DUP-03	Total/NA	Water	PrecSep-21	
180-188806-15	FB-01	Total/NA	Water	PrecSep-21	
180-188806-16	EB-01	Total/NA	Water	PrecSep-21	
180-188806-17	DUP-02	Total/NA	Water	PrecSep-21	
MB 160-712124/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712124/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-9	APMW-12	Total/NA	Water	PrecSep_0	
180-188806-10	APMW-2D	Total/NA	Water	PrecSep_0	
180-188806-11	APMW-4D	Total/NA	Water	PrecSep_0	
180-188806-12	APMW-5D	Total/NA	Water	PrecSep_0	
180-188806-13	APMW-10D	Total/NA	Water	PrecSep_0	
180-188806-14	DUP-03	Total/NA	Water	PrecSep_0	
180-188806-15	FB-01	Total/NA	Water	PrecSep_0	
180-188806-16	EB-01	Total/NA	Water	PrecSep_0	
180-188806-17	DUP-02	Total/NA	Water	PrecSep_0	
MB 160-712125/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712125/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	PrecSep-21	
180-188756-2	APMW-3D	Total/NA	Water	PrecSep-21	
180-188756-3	APMW-7	Total/NA	Water	PrecSep-21	
180-188756-4	DUP-04	Total/NA	Water	PrecSep-21	
180-188756-5	FB-02	Total/NA	Water	PrecSep-21	
180-188756-6	EB-02	Total/NA	Water	PrecSep-21	
180-188756-7	APMW-6D	Total/NA	Water	PrecSep-21	
180-188806-1	APMW-1R	Total/NA	Water	PrecSep-21	
180-188806-2	APMW-2	Total/NA	Water	PrecSep-21	
180-188806-3	APMW-4	Total/NA	Water	PrecSep-21	
180-188806-4	APMW-5	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 712128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188806-5	APMW-8	Total/NA	Water	PrecSep-21	
180-188806-6	APMW-9	Total/NA	Water	PrecSep-21	
180-188806-7	APMW-10	Total/NA	Water	PrecSep-21	
180-188806-8	APMW-11	Total/NA	Water	PrecSep-21	
MB 160-712128/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712128/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188756-1	APMW-3	Total/NA	Water	PrecSep_0	
180-188756-2	APMW-3D	Total/NA	Water	PrecSep_0	
180-188756-3	APMW-7	Total/NA	Water	PrecSep_0	
180-188756-4	DUP-04	Total/NA	Water	PrecSep_0	
180-188756-5	FB-02	Total/NA	Water	PrecSep_0	
180-188756-6	EB-02	Total/NA	Water	PrecSep_0	
180-188756-7	APMW-6D	Total/NA	Water	PrecSep_0	
180-188806-1	APMW-1R	Total/NA	Water	PrecSep_0	
180-188806-2	APMW-2	Total/NA	Water	PrecSep_0	
180-188806-3	APMW-4	Total/NA	Water	PrecSep_0	
180-188806-4	APMW-5	Total/NA	Water	PrecSep_0	
180-188806-5	APMW-8	Total/NA	Water	PrecSep_0	
180-188806-6	APMW-9	Total/NA	Water	PrecSep_0	
180-188806-7	APMW-10	Total/NA	Water	PrecSep_0	
180-188806-8	APMW-11	Total/NA	Water	PrecSep_0	
MB 160-712129/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712129/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total/NA	Water	PrecSep-21	
180-188962-6	FB-03	Total/NA	Water	PrecSep-21	
180-188962-7	APMW-16	Total/NA	Water	PrecSep-21	
180-188962-8	APMW-15	Total/NA	Water	PrecSep-21	
180-188962-9	APMW-14	Total/NA	Water	PrecSep-21	
180-188962-10	APMW-13	Total/NA	Water	PrecSep-21	
180-188962-11	DUP-05	Total/NA	Water	PrecSep-21	
MB 160-712849/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712849/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188962-5	EB-03	Total/NA	Water	PrecSep_0	
180-188962-6	FB-03	Total/NA	Water	PrecSep_0	
180-188962-7	APMW-16	Total/NA	Water	PrecSep_0	
180-188962-8	APMW-15	Total/NA	Water	PrecSep_0	
180-188962-9	APMW-14	Total/NA	Water	PrecSep_0	
180-188962-10	APMW-13	Total/NA	Water	PrecSep_0	
180-188962-11	DUP-05	Total/NA	Water	PrecSep_0	
MB 160-712850/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712850/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Rad

Prep Batch: 713491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	PrecSep-21	
180-189089-6	FB-04	Total/NA	Water	PrecSep-21	
180-189089-7	EB-04	Total/NA	Water	PrecSep-21	
MB 160-713491/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-713491/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 713494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-189089-1	APMW-8D	Total/NA	Water	PrecSep_0	
180-189089-6	FB-04	Total/NA	Water	PrecSep_0	
180-189089-7	EB-04	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Todd Voreis / KEITH KRISMAN	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 402-517-0342	E-Mail: shali.brown@eurofinset.com		Page
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
APMW-6R	31MAR25	1526	G	W			X	X	X	X	X		X	X	X	6	
DUP-01	31MAR25	1426	G	W			X	X	X	X	X		X	X	X	6	
PZ-4	31MAR25	1504	G	W			X	X	X	X	X		X	X	X	6	

180-188567 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Todd Voreis	1APR25 1530	RDH EMI		4/2/25 0945	EPI ENG
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heydorfer / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special
			Preservation Code:																		
APMW-3	4-4-25	0834	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-3D	4-4-25	1002	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-7	4-4-25	1135	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-04	4-4-25	1035	G	water	No		X	X	X	X	X		X	X	X					6	
FB-02	4-4-25	1246	G	water	No		X	X	X	X	X		X	X	X					6	
EB-02	4-4-25	1255	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-6D	4-4-25	1434	G	water	No		X	X	X	X	X		X	X	X					6	
2D-6S	4-4-25	1323	G	water	No		X	X	X	X	X		X	X	X					6	

180-188756 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4-4-24 1522	EMI		4/5/25 0950	Eurofins
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

5/29/2025 (Rev. 1)

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / Keith Krissman (KK)	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD				Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
APMW-1R	4-3-25	0854	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-2	4-3-25	1059	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-4	4-3-25	1034	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-5	4-3-25	1415	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-8	4-3-25	1400	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-9	4-3-25	1157	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-10	4-2-25	1435	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-11	4-2-25	1338	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-12	4-2-25	1519	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-2D	4-3-25	1333	G	water	No		X	X	X	X	X		X	X	X				6	
APMW-4D	4-3-25	0850	G	water	No		X	X	X	X	X		X	X	X				6	

180-188806 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-3-25 1554	GDH ENV.	[signature]	4-4-25 0900	ST TEST
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Eric Heydendorfer / Keith Krisman / TODD WOLFE	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
APMW-5D	4-3-25	1315	G	water	No		X	X	X	X	X		X	X	X					6	
APMW-10D	4-3-25	1030	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-03	4-3-25	0934	G	water	No		X	X	X	X	X		X	X	X					6	
FR-01	4-3-25	0933	G	water	No		X	X	X	X	X		X	X	X					6	
EB-01	4-3-25	0944	G	water	No		X	X	X	X	X		X	X	X					6	
DUP-02	4-2-25	1335	G	water	No		X	X	X	X	X		X	X	X					6	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-3-25 1554	ADH ENV	[signature]	4/3/25	[illegible]
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
TW-1	4-9-25	1440	G	water	N		X	X	X	X	X		X	X	X					6	
TD-GS	4-9-25	1212	G	water	N		X	X	X	X	X		X	X	X					6	
DUP-06	4-9-25	0915	G	water	N		X	X	X	X	X		X	X	X					6	
ID-GS	4-9-25	1015	G	water	N		X	X	X	X	X		X	X	X					6	
EB-03	4-9-25	0812	G	water	N		X	X	X	X	X		X	X	X					6	
FB-03	4-9-25	0802	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-16	4-8-25	0945	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-15	4-8-25	1057	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-14	4-8-25	1303	G	water	N		X	X	X	X	X		X	X	X					6	
APMW-13	4-8-25	1527	G	water	N		X	X	X	X	X		X	X	X					6	
DUP-05	4-8-25	1203	G	water	N		X	X	X	X	X		X	X	X					6	

180-188962 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-9-25 1551	KSH ENV.			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-189089 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Laura Hagendorfer / Keith Krisman	Lab PM: Brown, Shali	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofins...	Page: 1 of 1
Company: SCS			Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: AL, 35243			
Phone: 205-992-6283	PO #:		
Email: SCS Contacts	WO #:		
Project Name: Plant Watson Ash Pond	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Radium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
APMW-8D	4-10-25	1101	G	water	NO		X	X	X	X	X		X	X	X					6	
TW-2	4-10-25	1141	G	water	NO		X	X	X	X	X		X	X	X					6	
GD-GS	4-10-25	1335	G	water	NO		X	X	X	X	X		X	X	X					6	
DUP-07	4-10-25	1235	G	water	NO		X	X	X	X	X		X	X	X					6	
4DG-S	4-11-25	0852	G	water	NO		X	X	X	X	X		X	X	X					6	
FB-04	4-11-25	0746	G	water	NO		X	X	X	X	X		X	X	X					6	
EB-04	4-11-25	0758	G	water	NO		X	X	X	X	X		X	X	X					6	
DUP-08	4-11-25	0752	G	water	NO		X	X	X	X	X		X	X	X					6	
SD-GS	4-11-25	1045	G	water	NO		X	X	X	X	X		X	X	X					6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

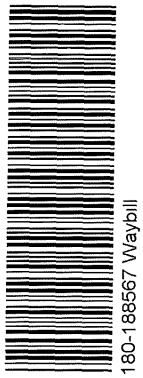
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4-11-25 1236	EOH ENV.	[signature]	4/12/25 1110	EOH ENV.
2	[signature]	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019



180-188567 Waybill

Do Not Lift Using This Tag

ORIGIN ID:BIXA (402) 517-0342

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01APR25
ACTWGT: 63.05 LB
CAD: 6993800/SSFE2600
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-A99-THERM-EXP 10/25

TO

EUROFINS
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp °C

Thermometer ID 4.4 25

CF -0.4 Initials AR

PT-WI-SR-001 effective 7/26/13

Uncorrected temp °C

FedEx Express

J25102412170 1uV

2 of 2

MPS# 0263 2870 9817 5225

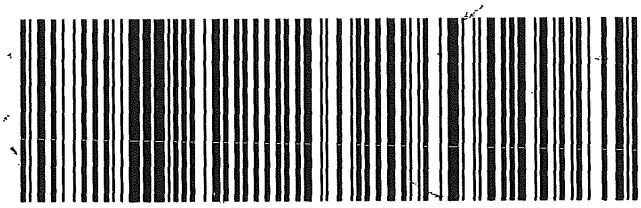
Mstr# 2870 9817 5214

0201

WE[illegible] 02 APR 10:30A
PRIORITY OVERNIGHT

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AHS
15238
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not lift using th

ID:BIXA (850) 336-0192
RICA PITTSBURGH LAB
ERS 5 BEFORE BILL
HA DR
RGH, PA 15238
STATES US

SHIP DATE: (
ACTWGT: 70.(
CAD: 6993795
DIMS: 24x15)

BILL THIRD F

IOFINS TEST AMERICA
ALPHA DRIVE
C PARK
TSBURGH PA 15238
-9999

REF:

DEPT:

Uncorrected temp °C
Thermometer ID 2.2 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

3 of 3
72 2709 8796
72 2709 8774 0201

SATURD
PRIORITY O

AGCA

PA

Page 7 of 8

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 04APR25
ACTWGT: 70.60 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x16 IN

BILL THIRD PARTY

Part # 156297-4950.R8888r-335 10/25

TO

EUROFINS TEST AMERICA
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(999) 999-9999

INV:
PO:
REF:
DEPT:

Thermometer ID 2.3 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 3
MPS# 0263 2872 2709 8785
Mstr# 2872 2709 8774 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XO AGCA

180-188756 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 04APR25
ACTWGT: 70.60 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x16 IN

BILL THIRD PARTY

Part # 156297-4950.R8888r-335 10/25

TO

EUROFINS TEST AMERICA
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(999) 999-9999

INV:
PO:
REF:
DEPT:

Uncorrected temp 2.6 °C
Thermometer ID 25
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

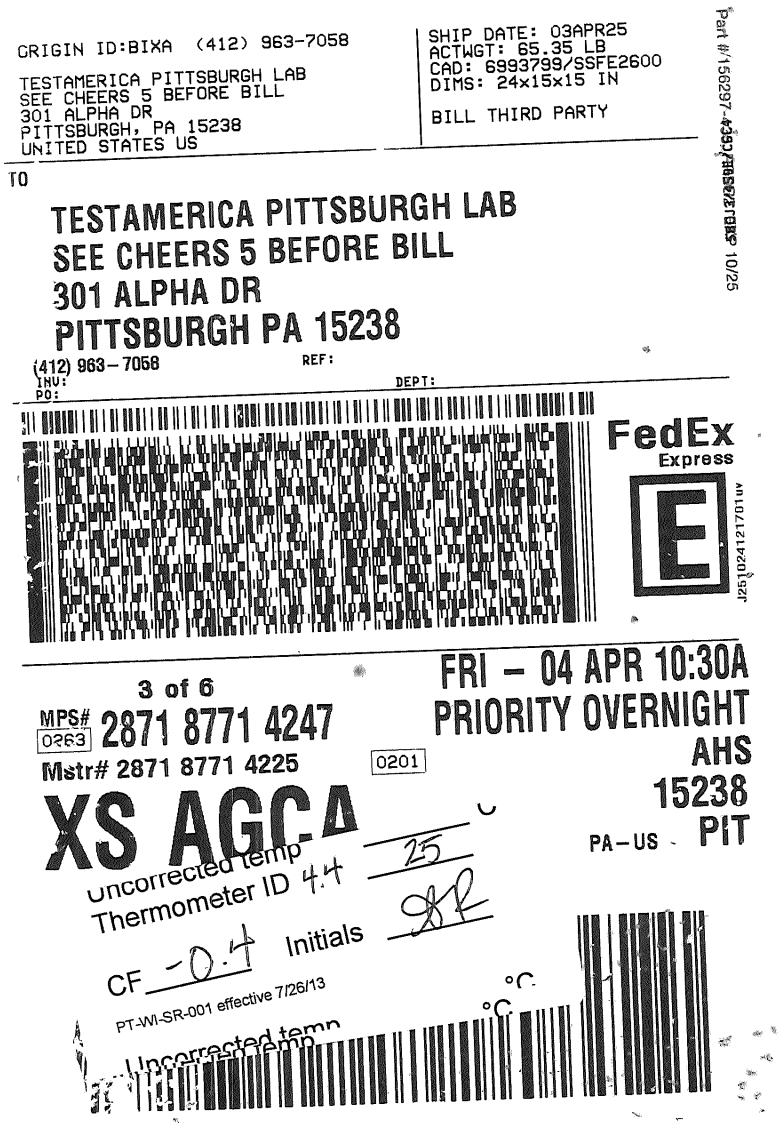
FedEx Express

1 of 3
TRK# 0201 2872 2709 8774
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XO AGCA

5/29/2025 (Rev. 1)



ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 03APR25
ACTWGT: 65.35 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x15 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

FedEx Express

3 of 6
MPS# 0263 2871 8771 4247
Mstr# 2871 8771 4225 0201
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PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XS AGCA

Uncorrected temp °C
Thermometer ID 4.4 25
CF -0.4 Initials SR
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

Part # 156297-435/7885/2600 10/25



ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 03APR25
ACTWGT: 65.35 LB
CAD: 6993799/SSFE2600
DIMS: 24x15x15 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

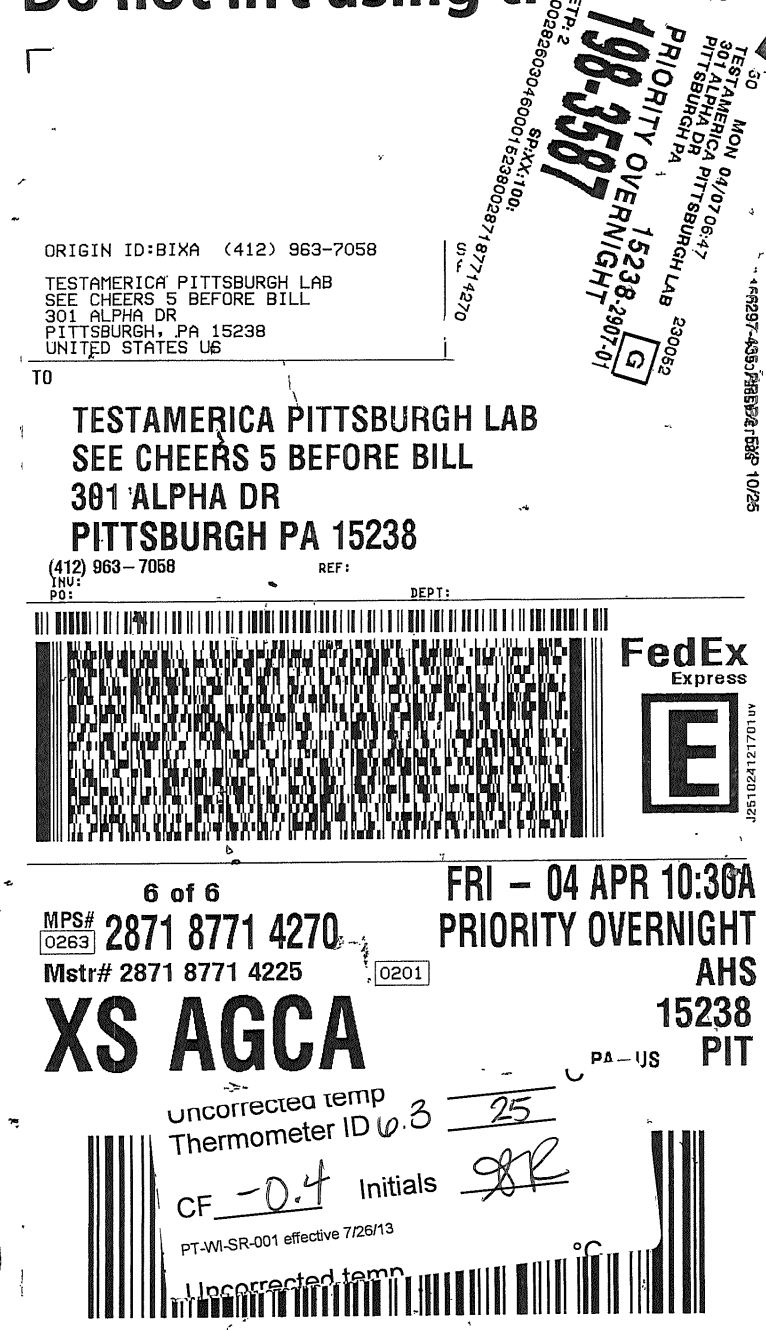
FedEx Express

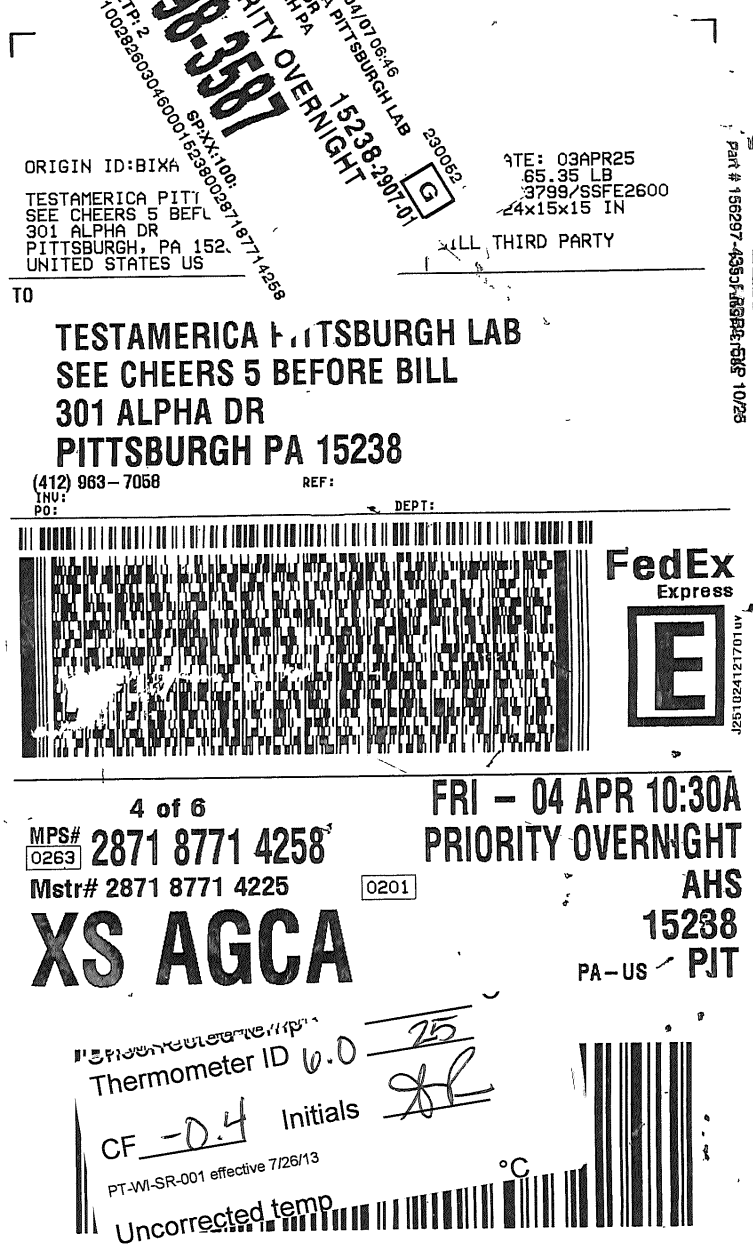
2 of 6
MPS# 0263 2871 8771 4236
Mstr# 2871 8771 4225 0201
FRI - 04 APR 10:30A
PRIORITY OVERNIGHT
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15238
PA-US PIT
XS AGCA

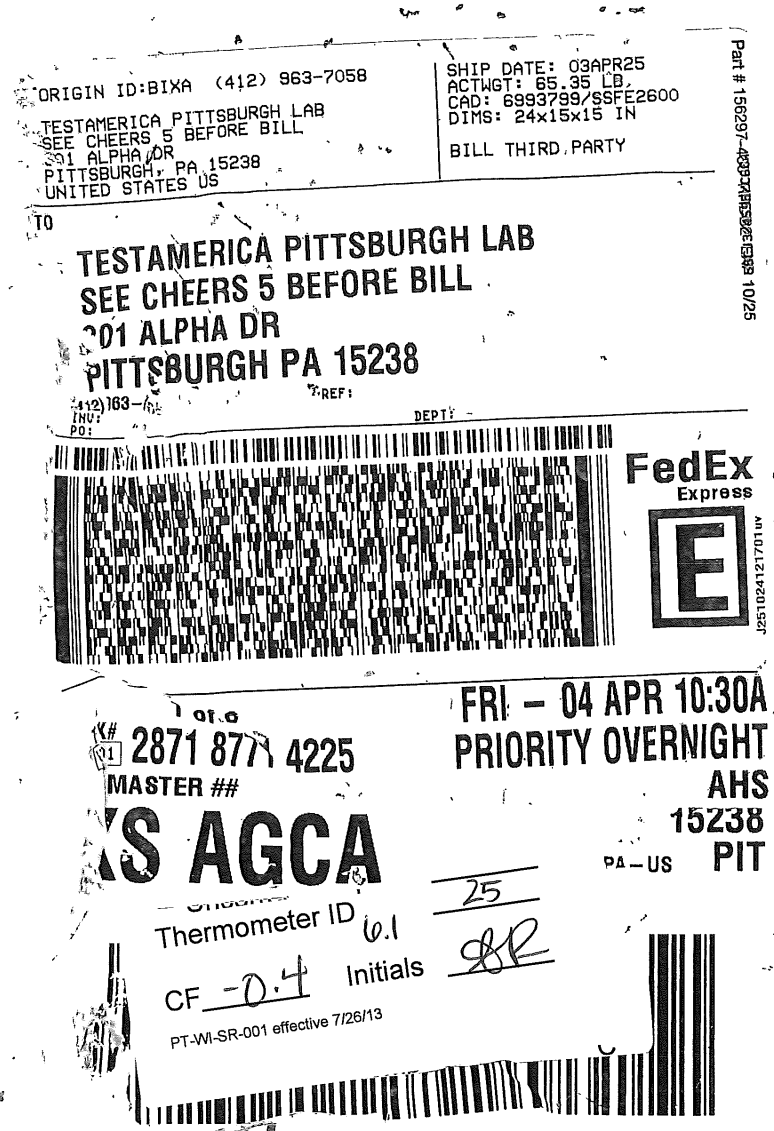
Uncorrected temp °C
Thermometer ID 6.3 25
CF -0.4 Initials SR
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

Part # 156297-435/7885/2600 10/25

180-188806 Waybill


Do not lift using th tag.
ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
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PO:
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DEPT:
FedEx Express
6 of 6
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Mstr# 2871 8771 4225
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PA-US
Uncorrected temp
Thermometer ID 6.3 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
°C
198-3587
PRIORITY OVERNIGHT
15238-2907-01
MON 04/07 06:47
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
230052
ETP: 2
SP:XX:100
Part # 152297-435-2
EXP 10/25


Do ng this tag.
198-3587
PRIORITY OVERNIGHT
15238-2907-01
MON 04/07 06:46
AMERICA PITTSBURGH LAB
ALPHA DR
TSBURGH PA
230052
ETP: 2
SP:XX:100
ORIGIN ID:BIXA
TESTAMERICA PITT
SEE CHEERS 5 BEFL
301 ALPHA DR
PITTSBURGH, PA 152
UNITED STATES US
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65.35 LB
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ILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
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FedEx Express
4 of 6
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15238
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XS AGCA
Thermometer ID 6.0 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
°C
Uncorrected temp
Part # 152297-435-2
EXP 10/25



Thermometer ID 6.1 25

CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

Missing an airbill

ORIGIN ID:BIXA (4
TESTAMERICA PITTSB
SEE CHEERS 5 BEFOR
301 ALPHA DR
PITTSBURGH, PA 152
UNITED STATES US

412) 963-7058
BURGH LAB
RE BILL
238

SHIP DATE: 1
ACTWGT: 72.2
CAD: 6993800
DIMS: 24x14x
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TO
TESTAMERICA PITTSBURGH
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

3 of 3
MPS# 0263 2874 7451 1115
Mstr# 2874 7451 1090 0201
XO AGCA
Thermometer ID 3.6 25
CF -0.4 Initials XR
PT-WI-SR-001 effective 7/26/13

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

1 of 3
TRK# 0201 2874 7451 1090
MASTER
SATUR
PRIORITY
XO AGCA
Uncorrected temp 2.7 °C
Thermometer ID 25
CF -0.4 Initials XR

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

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ACTWGT
CAD: 6
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TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

FedEx Express

2 of 3
MPS# 0263 2874 7451 1104
Mstr# 2874 7451 1090 0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XO AGCA
Uncorrected temp 4.0 °C
Thermometer ID 25
CF -0.4 Initials XR
PT-WI-SR-001 effective 7/26/13

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536034.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188567-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/15/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-6R (180-188567-1)	3/31/25	15:26 Eastern	G	Water			X	X	X	2	
DUP-01 (180-188567-2)	3/31/25	14:26 Eastern	G	Water			X	X	X	2	
PZ-4 (180-188567-3)	3/31/25	15:04 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/3/25 1700	EPITTPS		0850 APR 04 2025	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188567
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188567
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 04/04/25 12:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188756
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188756
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/10/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188806
List Number: 1
Creator: Kovitch, Christina M

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188806
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/10/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188962
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 188962
List Number: 3
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 04/15/25 03:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 189089
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188567-2

Login Number: 189089
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/17/25 03:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/18/2025 8:29:31 AM

JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-188701-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
4/18/2025 8:29:31 AM

Authorized for release by
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Job Narrative
180-188701-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 0.2°C, 0.4°C, 0.4°C, 0.5°C, 1.0°C, 1.4°C, 2.0°C, 2.2°C, 2.4°C, 2.9°C, 4.0°C and 4.2°C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): EB-02 (180-188701-52). The container labels list a sample time of 0958 while the chain has 0948. Logged per the chain.

The following samples were listed on the Chain of Custody (COC); however, no sample were received: SW-3 (180-188701-11), SW-3 (180-188701-12), SW-15 (180-188701-37) and SW-15 (180-188701-38). This cooler was delay by fedex due to weather and was delivered on 4-7 to Savannah, GA (temp 15.4 degrees C) and some analyiss received 4-8 in Pittsburgh PA. The client was contacted and the lab was instructed to proceed with analysis. Methods outside of recommended temp range for these samples only are Mercury, TDS, Chloride, Fluoride and Sulfate.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for analytical batch 180-493290 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-493527 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-493527 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-17 (180-188701-41) and SW-17 (180-188701-42). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-493732 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-3 (180-188701-11). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-493732 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-493527 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference

and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Dissolved: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-493527 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D - Dissolved: The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-17 (180-188701-41) and SW-17 (180-188701-42). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-493732 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Dissolved: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-3 (180-188701-12). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-493732 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-880432 was outside control limits: (180-188701-C-11 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Method 2540C - Dissolved: The sample duplicate precision for the following sample associated with analytical batch 680-880432 was outside control limits: (180-188701-C-11 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	200005	07-31-25
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24 *
New Hampshire	NELAP	2030	04-04-25 *
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	03-31-26
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25 *
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	01-01-25 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-26
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	09-14-25
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-188701-1	SW-1	Water	04/02/25 11:28	04/04/25 09:15
180-188701-2	SW-1	Water	04/02/25 11:38	04/04/25 09:15
180-188701-3	SW-1	Water	04/02/25 11:47	04/04/25 09:15
180-188701-4	SW-1	Water	04/02/25 11:55	04/04/25 09:15
180-188701-5	SW-2	Water	04/02/25 10:25	04/04/25 09:15
180-188701-6	SW-2	Water	04/02/25 10:38	04/04/25 09:15
180-188701-7	SW-2	Water	04/02/25 11:02	04/04/25 09:15
180-188701-8	SW-2	Water	04/02/25 11:10	04/04/25 09:15
180-188701-9	SW-3	Water	04/01/25 13:35	04/04/25 09:15
180-188701-10	SW-3	Water	04/01/25 13:45	04/04/25 09:15
180-188701-11	SW-3	Water	04/01/25 14:16	04/04/25 09:15
180-188701-12	SW-3	Water	04/01/25 14:26	04/04/25 09:15
180-188701-13	SW-4	Water	04/01/25 08:47	04/04/25 09:15
180-188701-14	SW-4	Water	04/01/25 08:54	04/04/25 09:15
180-188701-15	SW-5	Water	04/01/25 08:01	04/04/25 09:15
180-188701-16	SW-5	Water	04/01/25 08:09	04/04/25 09:15
180-188701-17	SW-5	Water	04/01/25 08:26	04/04/25 09:15
180-188701-18	SW-5	Water	04/01/25 08:34	04/04/25 09:15
180-188701-19	SW-6	Water	04/01/25 09:31	04/04/25 09:15
180-188701-20	SW-6	Water	04/01/25 09:39	04/04/25 09:15
180-188701-21	SW-6	Water	04/01/25 09:46	04/04/25 09:15
180-188701-22	SW-6	Water	04/01/25 09:54	04/04/25 09:15
180-188701-23	SW-9	Water	04/01/25 10:21	04/04/25 09:15
180-188701-24	SW-9	Water	04/01/25 10:29	04/04/25 09:15
180-188701-25	SW-9	Water	04/01/25 10:41	04/04/25 09:15
180-188701-26	SW-9	Water	04/01/25 10:49	04/04/25 09:15
180-188701-27	SW-10	Water	04/01/25 11:09	04/04/25 09:15
180-188701-28	SW-10	Water	04/01/25 11:17	04/04/25 09:15
180-188701-29	SW-11	Water	04/01/25 11:52	04/04/25 09:15
180-188701-30	SW-11	Water	04/01/25 12:00	04/04/25 09:15
180-188701-31	SW-12	Water	04/01/25 12:22	04/04/25 09:15
180-188701-32	SW-12	Water	04/01/25 12:30	04/04/25 09:15
180-188701-33	SW-13	Water	04/01/25 09:57	04/04/25 09:15
180-188701-34	SW-13	Water	04/01/25 10:05	04/04/25 09:15
180-188701-35	SW-14	Water	04/01/25 10:36	04/04/25 09:15
180-188701-36	SW-14	Water	04/01/25 10:44	04/04/25 09:15
180-188701-37	SW-15	Water	04/01/25 11:19	04/04/25 09:15
180-188701-38	SW-15	Water	04/01/25 11:27	04/04/25 09:15
180-188701-39	SW-16	Water	04/01/25 12:02	04/04/25 09:15
180-188701-40	SW-16	Water	04/01/25 12:10	04/04/25 09:15
180-188701-41	SW-17	Water	04/01/25 12:39	04/04/25 09:15
180-188701-42	SW-17	Water	04/01/25 12:49	04/04/25 09:15
180-188701-43	DUP-01	Water	04/01/25 10:09	04/04/25 09:15
180-188701-44	DUP-01	Water	04/01/25 10:17	04/04/25 09:15
180-188701-45	DUP-02	Water	04/01/25 07:47	04/04/25 09:15
180-188701-46	DUP-02	Water	04/01/25 07:54	04/04/25 09:15
180-188701-47	DUP-03	Water	04/02/25 09:25	04/04/25 09:15
180-188701-48	DUP-03	Water	04/02/25 09:38	04/04/25 09:15
180-188701-49	FB-01	Water	04/01/25 07:06	04/04/25 09:15
180-188701-50	EB-01	Water	04/01/25 07:14	04/04/25 09:15
180-188701-51	FB-02	Water	04/02/25 09:45	04/04/25 09:15
180-188701-52	EB-02	Water	04/02/25 09:48	04/04/25 09:15

Method Summary

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-1
Lab Sample ID: 180-188701-1
Date Collected: 04/02/25 11:28
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 20:12	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:44	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-188701-2
Date Collected: 04/02/25 11:38
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493438	04/08/25 21:21	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493527	04/09/25 17:33	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:13	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 18:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-188701-3
Date Collected: 04/02/25 11:47
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 21:33	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 17:45	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:46	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:59	BJB	EET SAV
	Instrument ID: QuickTrace3									

Client Sample ID: SW-1

Lab Sample ID: 180-188701-3

Date Collected: 04/02/25 11:47

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT

Client Sample ID: SW-1

Lab Sample ID: 180-188701-4

Date Collected: 04/02/25 11:55

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493438	04/08/25 21:44	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493527	04/10/25 01:48	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:15	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:39	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-188701-5

Date Collected: 04/02/25 10:25

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 21:56	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 17:56	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:48	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:42	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-188701-6

Date Collected: 04/02/25 10:38

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493438	04/08/25 22:07	M1D	EET PIT
	Instrument ID: INUVION									

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-2

Lab Sample ID: 180-188701-6

Date Collected: 04/02/25 10:38

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493527	04/09/25 18:42	M1D	EET PIT
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-188701-7

Date Collected: 04/02/25 11:02

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 22:19	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 18:54	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:50	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:17	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2

Lab Sample ID: 180-188701-8

Date Collected: 04/02/25 11:10

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493438	04/08/25 23:51	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493527	04/10/25 01:14	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-3
Lab Sample ID: 180-188701-9
Date Collected: 04/01/25 13:35
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 16:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:56	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 19:06	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Lab Sample ID: 180-188701-10
Date Collected: 04/01/25 13:45
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 17:24	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 18:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Lab Sample ID: 180-188701-11
Date Collected: 04/01/25 14:16
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493732	04/11/25 11:40	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		5	1 mL	1 mL	493732	04/11/25 16:38	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880473	04/09/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880524	04/09/25 13:13	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880473	04/09/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880516	04/09/25 10:33	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880509	04/09/25 11:08	MG	EET SAV
Total/NA	Analysis	7470A		1			880594	04/09/25 14:29	BCB	EET SAV
	Instrument ID: QuickTrace3									

Client Sample ID: SW-3

Lab Sample ID: 180-188701-11

Date Collected: 04/01/25 14:16

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	880432	04/08/25 10:38	AS	EET SAV

Client Sample ID: SW-3

Lab Sample ID: 180-188701-12

Date Collected: 04/01/25 14:26

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493732	04/11/25 12:15	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	493732	04/11/25 16:49	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880474	04/09/25 05:11	RR	EET SAV
Dissolved	Analysis	6020B		1			880524	04/09/25 12:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	880474	04/09/25 05:11	RR	EET SAV
Dissolved	Analysis	6020B		1			880516	04/09/25 11:02	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			50 mL	50 mL	880509	04/09/25 11:08	MG	EET SAV
Dissolved	Analysis	7470A		1			880594	04/09/25 14:27	BCB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	2540C-2011		1	50 mL	200 mL	880432	04/08/25 10:46	AS	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Lab Sample ID: 180-188701-13

Date Collected: 04/01/25 08:47

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 14:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 12:58	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:57	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Lab Sample ID: 180-188701-14

Date Collected: 04/01/25 08:54

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 16:10	M1D	EET PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-4

Lab Sample ID: 180-188701-14

Date Collected: 04/01/25 08:54
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			25 mL	125 mL	880729	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880902	04/15/25 14:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 18:09	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-188701-15

Date Collected: 04/01/25 08:01
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 15:51	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:00	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-188701-16

Date Collected: 04/01/25 08:09
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 15:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 09:56	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 19:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-188701-17

Date Collected: 04/01/25 08:26

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 15:14	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:02	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:40	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-188701-18

Date Collected: 04/01/25 08:34

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 18:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:02	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 18:07	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-188701-19

Date Collected: 04/01/25 09:31

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 18:38	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:03	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:28	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-188701-20

Date Collected: 04/01/25 09:39

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 17:42	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-188701-21

Date Collected: 04/01/25 09:46

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/06/25 02:20	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:24	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-188701-22

Date Collected: 04/01/25 09:54

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493291	04/05/25 17:29	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 19:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-9
Lab Sample ID: 180-188701-23
Date Collected: 04/01/25 10:21
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493291	04/05/25 17:41	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:49	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Lab Sample ID: 180-188701-24
Date Collected: 04/01/25 10:29
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493291	04/05/25 17:52	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:11	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Lab Sample ID: 180-188701-25
Date Collected: 04/01/25 10:41
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493291	04/05/25 18:04	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:09	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:26	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Lab Sample ID: 180-188701-26

Date Collected: 04/01/25 10:49

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493291	04/05/25 18:15	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:16	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:22	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10

Lab Sample ID: 180-188701-27

Date Collected: 04/01/25 11:09

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493291	04/05/25 18:50	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:11	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10

Lab Sample ID: 180-188701-28

Date Collected: 04/01/25 11:17

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493291	04/05/25 19:01	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:18	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:34	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Lab Sample ID: 180-188701-29

Date Collected: 04/01/25 11:52

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493291	04/05/25 19:13	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:13	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Lab Sample ID: 180-188701-30

Date Collected: 04/01/25 12:00

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 21:24	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12

Lab Sample ID: 180-188701-31

Date Collected: 04/01/25 12:22

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 19:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:19	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 19:08	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12

Lab Sample ID: 180-188701-32

Date Collected: 04/01/25 12:30

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 19:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:09	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:48	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Lab Sample ID: 180-188701-33

Date Collected: 04/01/25 09:57

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 19:52	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Lab Sample ID: 180-188701-34

Date Collected: 04/01/25 10:05

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 20:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:36	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Lab Sample ID: 180-188701-35

Date Collected: 04/01/25 10:36

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 20:29	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14

Lab Sample ID: 180-188701-36

Date Collected: 04/01/25 10:44

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 22:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:43	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Lab Sample ID: 180-188701-37

Date Collected: 04/01/25 11:19

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493732	04/11/25 12:26	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880473	04/09/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880524	04/09/25 13:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880473	04/09/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880516	04/09/25 10:41	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	880509	04/09/25 11:08	MG	EET SAV
Total/NA	Analysis	7470A		1			880594	04/09/25 14:18	BCB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	880432	04/08/25 10:38	AS	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Lab Sample ID: 180-188701-38

Date Collected: 04/01/25 11:27

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493732	04/11/25 12:38	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880474	04/09/25 05:11	RR	EET SAV
Dissolved	Analysis	6020B		1			880524	04/09/25 12:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	880474	04/09/25 05:11	RR	EET SAV
Dissolved	Analysis	6020B		1			880516	04/09/25 11:10	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			50 mL	50 mL	880509	04/09/25 11:08	MG	EET SAV
Dissolved	Analysis	7470A		1			880594	04/09/25 14:25	BCB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	2540C-2011		1	200 mL	200 mL	880432	04/08/25 10:38	AS	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16

Lab Sample ID: 180-188701-39

Date Collected: 04/01/25 12:02

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 23:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880726	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 13:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 19:11	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16

Lab Sample ID: 180-188701-40

Date Collected: 04/01/25 12:10

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/05/25 23:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:53	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17

Lab Sample ID: 180-188701-41

Date Collected: 04/01/25 12:39

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/05/25 23:52	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	493527	04/09/25 16:47	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 10:53	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 19:04	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17

Lab Sample ID: 180-188701-42

Date Collected: 04/01/25 12:49

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/06/25 00:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	493527	04/09/25 16:58	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:29	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:46	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-188701-43

Date Collected: 04/01/25 10:09

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/06/25 00:29	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 10:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:52	BJB	EET SAV
	Instrument ID: QuickTrace3									

Client Sample ID: DUP-01

Date Collected: 04/01/25 10:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-43

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT

Client Sample ID: DUP-01

Date Collected: 04/01/25 10:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-44

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/06/25 00:47	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:31	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 18:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Date Collected: 04/01/25 07:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/06/25 01:06	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:01	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:42	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Date Collected: 04/01/25 07:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-46

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493290	04/06/25 02:01	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:33	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-02

Lab Sample ID: 180-188701-46

Date Collected: 04/01/25 07:54
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:20	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-188701-47

Date Collected: 04/02/25 09:25
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 22:30	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 19:05	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:03	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880769	04/14/25 11:20	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 16:52	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-188701-48

Date Collected: 04/02/25 09:38
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493438	04/08/25 22:42	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	493527	04/09/25 19:17	M1D	EET PIT
	Instrument ID: INUVION									
Dissolved	Prep	3005A			25 mL	125 mL	880731	04/14/25 04:49	RR	EET SAV
Dissolved	Analysis	6020B		1			880866	04/15/25 10:35	BWR	EET SAV
	Instrument ID: ICPMSG									
Dissolved	Prep	7470A			50 mL	50 mL	880781	04/14/25 13:01	MG	EET SAV
Dissolved	Analysis	7470A		1			880825	04/14/25 17:25	BJB	EET SAV
	Instrument ID: QuickTrace3									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	493382	04/07/25 13:07	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-188701-49

Date Collected: 04/01/25 07:06

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/06/25 03:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 19:01	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-188701-50

Date Collected: 04/01/25 07:14

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493290	04/06/25 03:34	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:11	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:49	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Lab Sample ID: 180-188701-51

Date Collected: 04/02/25 09:45

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/08/25 23:16	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 19:51	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:13	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:59	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493374	04/07/25 12:42	EBA	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: EB-02
Lab Sample ID: 180-188701-52

Date Collected: 04/02/25 09:48
Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	493438	04/09/25 00:25	M1D	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	300.0		1	1 mL	1 mL	493527	04/09/25 20:03	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	880728	04/14/25 04:49	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880902	04/15/25 11:17	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	880783	04/14/25 13:03	MG	EET SAV
Total/NA	Analysis	7470A		1			880825	04/14/25 18:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	493342	04/07/25 10:46	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Analyst References:

Lab: EET PIT

Batch Type: Analysis

EBA = Elizabeth Arbster

M1D = Maureen Donlin

Lab: EET SAV

Batch Type: Prep

MG = Michael Griffin

RR = Robert Rancourt

Batch Type: Analysis

AS = Andrew Sweetman

BCB = Brian Bland

BJB = Brian Boyuk

BWR = Bryn Robertson

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-1

Date Collected: 04/02/25 11:28
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44**		1.0	0.71	mg/L			04/08/25 20:12	1
Fluoride	**0.038**	**J**	0.20	0.026	mg/L			04/08/25 20:12	1
Sulfate	**7.5**		1.0	0.76	mg/L			04/08/25 20:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:44	1
Barium	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:44	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:44	1
Boron	**0.062**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:44	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:44	1
Calcium	**3.6**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:44	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:44	1
Cobalt	**0.00038**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:44	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:44	1
Lead	**0.00059**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:44	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:44	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:44	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:44	1
Lithium	**0.0035**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-1

Date Collected: 04/02/25 11:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-2

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**44**		1.0	0.71	mg/L			04/09/25 17:33	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/08/25 21:21	1
Sulfate, Dissolved	**7.5**		1.0	0.76	mg/L			04/08/25 21:21	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:13	1
Barium, Dissolved	**0.025**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:13	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:13	1
Boron, Dissolved	**0.041**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:13	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:13	1
Calcium, Dissolved	**3.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:13	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:13	1
Cobalt, Dissolved	**0.00029**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:13	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:13	1
Lead, Dissolved	**0.00022**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:13	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:13	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:13	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:13	1
Lithium, Dissolved	**0.0036**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:13	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 18:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**96**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-1

Date Collected: 04/02/25 11:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44**		1.0	0.71	mg/L			04/09/25 17:45	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 21:33	1
Sulfate	**7.4**		1.0	0.76	mg/L			04/08/25 21:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:46	1
Barium	**0.027**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:46	1
Beryllium	**0.00024**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:46	1
Boron	**0.048**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:46	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:46	1
Calcium	**3.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:46	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:46	1
Cobalt	**0.00033**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:46	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:46	1
Lead	**0.00053**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:46	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:46	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:46	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:46	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-1

Date Collected: 04/02/25 11:55
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-4

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**45**		1.0	0.71	mg/L			04/10/25 01:48	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/08/25 21:44	1
Sulfate, Dissolved	**7.5**		1.0	0.76	mg/L			04/08/25 21:44	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:15	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:15	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:15	1
Boron, Dissolved	**0.035**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:15	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:15	1
Calcium, Dissolved	**3.4**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:15	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:15	1
Cobalt, Dissolved	**0.00032**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:15	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:15	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:15	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:15	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:15	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:15	1
Lithium, Dissolved	**0.0028**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:15	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**100**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-2

Date Collected: 04/02/25 10:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44**		1.0	0.71	mg/L			04/09/25 17:56	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 21:56	1
Sulfate	**7.5**		1.0	0.76	mg/L			04/08/25 21:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:48	1
Barium	**0.030**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:48	1
Boron	**0.040**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:48	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:48	1
Calcium	**3.6**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:48	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:48	1
Cobalt	**0.00048**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:48	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:48	1
Lead	**0.00059**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:48	1
Selenium	**0.0011**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:48	1
Lithium	**0.0061**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-2

Date Collected: 04/02/25 10:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-6

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**45**		1.0	0.71	mg/L			04/09/25 18:42	1
Fluoride, Dissolved	**0.038**	**J**	0.10	0.026	mg/L			04/08/25 22:07	1
Sulfate, Dissolved	**7.6**		1.0	0.76	mg/L			04/08/25 22:07	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:21	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:21	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:21	1
Boron, Dissolved	**0.045**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:21	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:21	1
Calcium, Dissolved	**3.5**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:21	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:21	1
Cobalt, Dissolved	**0.00031**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:21	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:21	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:21	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:21	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:21	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:21	1
Lithium, Dissolved	**0.0045**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:21	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**95**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-2

Date Collected: 04/02/25 11:02
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44**		1.0	0.71	mg/L			04/09/25 18:54	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 22:19	1
Sulfate	**7.6**		1.0	0.76	mg/L			04/08/25 22:19	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:50	1
Barium	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:50	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:50	1
Boron	**0.042**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:50	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:50	1
Calcium	**3.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:50	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:50	1
Cobalt	**0.00039**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:50	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:50	1
Lead	**0.00059**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:50	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:50	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:50	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:50	1
Lithium	**0.0044**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**99**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-2

Date Collected: 04/02/25 11:10
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-8

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**46**	**F1**	1.0	0.71	mg/L			04/10/25 01:14	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/08/25 23:51	1
Sulfate, Dissolved	**7.7**		1.0	0.76	mg/L			04/08/25 23:51	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:23	1
Barium, Dissolved	**0.025**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:23	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:23	1
Boron, Dissolved	**0.044**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:23	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:23	1
Calcium, Dissolved	**3.4**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:23	1
Chromium, Dissolved	**0.014**	**J**	0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:23	1
Cobalt, Dissolved	**0.00030**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:23	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:23	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:23	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:23	1
Selenium, Dissolved	**0.0012**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:23	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:23	1
Lithium, Dissolved	**0.0040**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**86**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-3

Date Collected: 04/01/25 13:35
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88		1.0	0.71	mg/L			04/05/25 16:28	1
Fluoride	0.053	J	0.20	0.026	mg/L			04/05/25 16:28	1
Sulfate	16		1.0	0.76	mg/L			04/05/25 16:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:56	1
Barium	0.026		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:56	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:56	1
Boron	0.061	J	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:56	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:56	1
Calcium	4.0		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:56	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:56	1
Cobalt	0.00035	J	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:56	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:56	1
Lead	0.00044	J	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:56	1
Lithium	0.0025	J B	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	180		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-3

Date Collected: 04/01/25 13:45
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-10

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**86**		1.0	0.71	mg/L			04/05/25 17:24	1
Fluoride, Dissolved	**0.060**	**J**	0.10	0.026	mg/L			04/05/25 17:24	1
Sulfate, Dissolved	**15**		1.0	0.76	mg/L			04/05/25 17:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:25	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:25	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:25	1
Boron, Dissolved	**0.060**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:25	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:25	1
Calcium, Dissolved	**4.1**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:25	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:25	1
Cobalt, Dissolved	**0.00028**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:25	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:25	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:25	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:25	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:25	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:25	1
Lithium, Dissolved	**0.0021**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 18:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**170**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-3

Date Collected: 04/01/25 14:16
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78**		5.0	3.6	mg/L			04/11/25 16:38	5
Fluoride	**0.049**	**J F1**	0.20	0.026	mg/L			04/11/25 11:40	1
Sulfate	**12**	**F1**	1.0	0.76	mg/L			04/11/25 11:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		04/09/25 05:09	04/09/25 10:33	1
Barium	**0.028**		0.025	0.00089	mg/L		04/09/25 05:09	04/09/25 10:33	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/09/25 05:09	04/09/25 10:33	1
Boron	**0.044**	**J**	0.50	0.022	mg/L		04/09/25 05:09	04/09/25 10:33	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/09/25 05:09	04/09/25 10:33	1
Calcium	**3.9**		2.5	0.14	mg/L		04/09/25 05:09	04/09/25 10:33	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/09/25 05:09	04/09/25 10:33	1
Cobalt	**0.00039**	**J**	0.013	0.00022	mg/L		04/09/25 05:09	04/09/25 10:33	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/09/25 05:09	04/09/25 10:33	1
Lead	**0.00049**	**J**	0.013	0.00021	mg/L		04/09/25 05:09	04/09/25 10:33	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/09/25 05:09	04/09/25 10:33	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/09/25 05:09	04/09/25 10:33	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/09/25 05:09	04/09/25 10:33	1
Lithium	**0.0062**	**J**	0.025	0.0020	mg/L		04/09/25 05:09	04/09/25 13:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**190**		20	20	mg/L			04/08/25 10:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-3

Date Collected: 04/01/25 14:26
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**78**		5.0	3.6	mg/L			04/11/25 16:49	5
Fluoride, Dissolved	**0.042**	**J**	0.10	0.026	mg/L			04/11/25 12:15	1
Sulfate, Dissolved	**12**		1.0	0.76	mg/L			04/11/25 12:15	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086	F1	0.015	0.00086	mg/L		04/09/25 05:11	04/09/25 11:02	1
Barium, Dissolved	**0.027**	**F1**	0.025	0.00089	mg/L		04/09/25 05:11	04/09/25 11:02	1
Beryllium, Dissolved	<0.00020	F1	0.013	0.00020	mg/L		04/09/25 05:11	04/09/25 11:02	1
Boron, Dissolved	**0.045**	**J F1**	0.50	0.022	mg/L		04/09/25 05:11	04/09/25 11:02	1
Cadmium, Dissolved	<0.000078	F1	0.013	0.000078	mg/L		04/09/25 05:11	04/09/25 11:02	1
Calcium, Dissolved	**3.9**	**F1**	2.5	0.14	mg/L		04/09/25 05:11	04/09/25 11:02	1
Chromium, Dissolved	<0.0012	F1	0.025	0.0012	mg/L		04/09/25 05:11	04/09/25 11:02	1
Cobalt, Dissolved	**0.00030**	**J F1**	0.013	0.00022	mg/L		04/09/25 05:11	04/09/25 11:02	1
Molybdenum, Dissolved	<0.00086	F1	0.075	0.00086	mg/L		04/09/25 05:11	04/09/25 11:02	1
Lead, Dissolved	<0.00021	F1	0.013	0.00021	mg/L		04/09/25 05:11	04/09/25 11:02	1
Antimony, Dissolved	<0.00034	F1	0.025	0.00034	mg/L		04/09/25 05:11	04/09/25 11:02	1
Selenium, Dissolved	<0.00099	F1	0.013	0.00099	mg/L		04/09/25 05:11	04/09/25 11:02	1
Thallium, Dissolved	<0.00026	F1	0.0050	0.00026	mg/L		04/09/25 05:11	04/09/25 11:02	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/09/25 05:11	04/09/25 12:49	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**170**		20	20	mg/L			04/08/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-4

Date Collected: 04/01/25 08:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31**		1.0	0.71	mg/L			04/05/25 14:56	1
Fluoride	**0.039**	**J**	0.20	0.026	mg/L			04/05/25 14:56	1
Sulfate	**6.5**		1.0	0.76	mg/L			04/05/25 14:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:58	1
Barium	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:58	1
Beryllium	**0.00024**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:58	1
Boron	**0.029**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:58	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:58	1
Calcium	**2.4**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:58	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:58	1
Cobalt	**0.00041**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:58	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:58	1
Lead	**0.00060**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:58	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:58	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:58	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:58	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**83**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-4

Date Collected: 04/01/25 08:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-14

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**32**		1.0	0.71	mg/L			04/05/25 16:10	1
Fluoride, Dissolved	**0.068**	**J**	0.10	0.026	mg/L			04/05/25 16:10	1
Sulfate, Dissolved	**6.4**		1.0	0.76	mg/L			04/05/25 16:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 14:27	1
Barium, Dissolved	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 14:27	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 14:27	1
Boron, Dissolved	**0.035**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 14:27	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 14:27	1
Calcium, Dissolved	**2.5**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 14:27	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 14:27	1
Cobalt, Dissolved	**0.00033**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 14:27	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 14:27	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 14:27	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 14:27	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 14:27	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 14:27	1
Lithium, Dissolved	**0.0036**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 14:27	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 18:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**63**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-5

Date Collected: 04/01/25 08:01
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12**		1.0	0.71	mg/L			04/05/25 15:51	1
Fluoride	**0.038**	**J**	0.20	0.026	mg/L			04/05/25 15:51	1
Sulfate	**3.8**		1.0	0.76	mg/L			04/05/25 15:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:00	1
Barium	**0.031**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:00	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:00	1
Boron	**0.022**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:00	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:00	1
Calcium	**1.7**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:00	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:00	1
Cobalt	**0.00050**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:00	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:00	1
Lead	**0.00056**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:00	1
Antimony	**0.0013**	**J**	0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:00	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:00	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:00	1
Lithium	**0.0055**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**48**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-5

Date Collected: 04/01/25 08:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-16

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**12**		1.0	0.71	mg/L			04/05/25 15:33	1
Fluoride, Dissolved	**0.045**	**J**	0.10	0.026	mg/L			04/05/25 15:33	1
Sulfate, Dissolved	**3.8**		1.0	0.76	mg/L			04/05/25 15:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 09:56	1
Barium, Dissolved	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 09:56	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 09:56	1
Boron, Dissolved	**0.050**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 09:56	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 09:56	1
Calcium, Dissolved	**1.8**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 09:56	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 09:56	1
Cobalt, Dissolved	**0.00040**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 09:56	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 09:56	1
Lead, Dissolved	**0.00030**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 09:56	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 09:56	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 09:56	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 09:56	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 09:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:13	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**32**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-5

Date Collected: 04/01/25 08:26
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12**		1.0	0.71	mg/L			04/05/25 15:14	1
Fluoride	**0.041**	**J**	0.20	0.026	mg/L			04/05/25 15:14	1
Sulfate	**3.9**		1.0	0.76	mg/L			04/05/25 15:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:02	1
Barium	**0.034**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:02	1
Beryllium	**0.00041**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:02	1
Boron	**0.023**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:02	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:02	1
Calcium	**2.0**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:02	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:02	1
Cobalt	**0.00051**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:02	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:02	1
Lead	**0.00065**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:02	1
Antimony	**0.0014**	**J**	0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:02	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:02	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:02	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**53**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-5

Date Collected: 04/01/25 08:34
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-18

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**12**		1.0	0.71	mg/L			04/05/25 18:56	1
Fluoride, Dissolved	**0.056**	**J**	0.10	0.026	mg/L			04/05/25 18:56	1
Sulfate, Dissolved	**3.6**		1.0	0.76	mg/L			04/05/25 18:56	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:02	1
Barium, Dissolved	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:02	1
Beryllium, Dissolved	**0.00033**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:02	1
Boron, Dissolved	**0.047**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:02	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:02	1
Calcium, Dissolved	**1.9**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:02	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:02	1
Cobalt, Dissolved	**0.00042**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:02	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:02	1
Lead, Dissolved	**0.00024**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:02	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:02	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:02	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:02	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:02	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 18:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**40**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-6

Date Collected: 04/01/25 09:31
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-19

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34**		1.0	0.71	mg/L			04/05/25 18:38	1
Fluoride	**0.027**	**J**	0.20	0.026	mg/L			04/05/25 18:38	1
Sulfate	**7.2**		1.0	0.76	mg/L			04/05/25 18:38	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:03	1
Barium	**0.031**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:03	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:03	1
Boron	**0.036**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:03	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:03	1
Calcium	**3.7**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:03	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:03	1
Cobalt	**0.00037**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:03	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:03	1
Lead	**0.00060**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:03	1
Antimony	**0.00043**	**J**	0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:03	1
Selenium	**0.0014**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:03	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:03	1
Lithium	**0.0036**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**92**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-6

Date Collected: 04/01/25 09:39
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-20

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**35**		1.0	0.71	mg/L			04/05/25 17:42	1
Fluoride, Dissolved	**0.044**	**J**	0.10	0.026	mg/L			04/05/25 17:42	1
Sulfate, Dissolved	**7.5**		1.0	0.76	mg/L			04/05/25 17:42	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:05	1
Barium, Dissolved	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:05	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:05	1
Boron, Dissolved	**0.039**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:05	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:05	1
Calcium, Dissolved	**3.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:05	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:05	1
Cobalt, Dissolved	**0.00034**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:05	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:05	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:05	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:05	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:05	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:05	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**88**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-6

Date Collected: 04/01/25 09:46
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-21

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70**	**F1**	1.0	0.71	mg/L			04/06/25 02:20	1
Fluoride	**0.058**	**J**	0.20	0.026	mg/L			04/06/25 02:20	1
Sulfate	**14**		1.0	0.76	mg/L			04/06/25 02:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:05	1
Barium	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:05	1
Beryllium	**0.00025**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:05	1
Boron	**0.041**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:05	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:05	1
Calcium	**5.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:05	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:05	1
Cobalt	**0.00031**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:05	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:05	1
Lead	**0.00072**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:05	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:05	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:05	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:05	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-6

Date Collected: 04/01/25 09:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-22

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**72**		1.0	0.71	mg/L			04/05/25 17:29	1
Fluoride, Dissolved	**0.044**	**J**	0.10	0.026	mg/L			04/05/25 17:29	1
Sulfate, Dissolved	**13**		1.0	0.76	mg/L			04/05/25 17:29	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:07	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:07	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:07	1
Boron, Dissolved	**0.050**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:07	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:07	1
Calcium, Dissolved	**5.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:07	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:07	1
Cobalt, Dissolved	**0.00031**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:07	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:07	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:07	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:07	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:07	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:07	1
Lithium, Dissolved	**0.0068**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:07	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**160**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-9

Date Collected: 04/01/25 10:21
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-23

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55**		1.0	0.71	mg/L			04/05/25 17:41	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/25 17:41	1
Sulfate	**8.5**		1.0	0.76	mg/L			04/05/25 17:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:07	1
Barium	**0.030**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:07	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:07	1
Boron	**0.030**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:07	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:07	1
Calcium	**3.7**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:07	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:07	1
Cobalt	**0.00039**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:07	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:07	1
Lead	**0.00054**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:07	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:07	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:07	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:07	1
Lithium	**0.0054**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-9

Date Collected: 04/01/25 10:29
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-24

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**51**		1.0	0.71	mg/L			04/05/25 17:52	1
Fluoride, Dissolved	**0.041**	**J**	0.10	0.026	mg/L			04/05/25 17:52	1
Sulfate, Dissolved	**8.2**		1.0	0.76	mg/L			04/05/25 17:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:11	1
Barium, Dissolved	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:11	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:11	1
Boron, Dissolved	**0.034**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:11	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:11	1
Calcium, Dissolved	**3.2**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:11	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:11	1
Cobalt, Dissolved	**0.00031**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:11	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:11	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:11	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:11	1
Selenium, Dissolved	**0.0022**	**J**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:11	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:11	1
Lithium, Dissolved	**0.0027**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:11	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**100**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-9

Date Collected: 04/01/25 10:41
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-25

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54**		1.0	0.71	mg/L			04/05/25 18:04	1
Fluoride	**0.031**	**J**	0.20	0.026	mg/L			04/05/25 18:04	1
Sulfate	**8.8**		1.0	0.76	mg/L			04/05/25 18:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:09	1
Barium	**0.031**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:09	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:09	1
Boron	**0.035**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:09	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:09	1
Calcium	**3.6**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:09	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:09	1
Cobalt	**0.00043**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:09	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:09	1
Lead	**0.00058**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:09	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:09	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:09	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:09	1
Lithium	**0.0056**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-9

Date Collected: 04/01/25 10:49
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-26

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**54**		1.0	0.71	mg/L			04/05/25 18:15	1
Fluoride, Dissolved	**0.036**	**J**	0.10	0.026	mg/L			04/05/25 18:15	1
Sulfate, Dissolved	**8.6**		1.0	0.76	mg/L			04/05/25 18:15	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:16	1
Barium, Dissolved	**0.030**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:16	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:16	1
Boron, Dissolved	**0.040**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:16	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:16	1
Calcium, Dissolved	**3.5**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:16	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:16	1
Cobalt, Dissolved	**0.00034**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:16	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:16	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:16	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:16	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:16	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:16	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**110**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-10

Date Collected: 04/01/25 11:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-27

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22**		1.0	0.71	mg/L			04/05/25 18:50	1
Fluoride	**0.034**	**J**	0.20	0.026	mg/L			04/05/25 18:50	1
Sulfate	**4.1**		1.0	0.76	mg/L			04/05/25 18:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:11	1
Barium	**0.031**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:11	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:11	1
Boron	**0.023**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:11	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:11	1
Calcium	**2.3**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:11	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:11	1
Cobalt	**0.00041**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:11	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:11	1
Lead	**0.00060**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:11	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:11	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:11	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:11	1
Lithium	**0.0049**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**55**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-10

Date Collected: 04/01/25 11:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-28

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**22**		1.0	0.71	mg/L			04/05/25 19:01	1
Fluoride, Dissolved	**0.035**	**J**	0.10	0.026	mg/L			04/05/25 19:01	1
Sulfate, Dissolved	**4.2**		1.0	0.76	mg/L			04/05/25 19:01	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:18	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:18	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:18	1
Boron, Dissolved	**0.028**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:18	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:18	1
Calcium, Dissolved	**2.3**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:18	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:18	1
Cobalt, Dissolved	**0.00033**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:18	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:18	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:18	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:18	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:18	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:18	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:18	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**62**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-11

Date Collected: 04/01/25 11:52
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-29

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		1.0	0.71	mg/L			04/05/25 19:13	1
Fluoride	**0.032**	**J**	0.20	0.026	mg/L			04/05/25 19:13	1
Sulfate	**3.3**		1.0	0.76	mg/L			04/05/25 19:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:13	1
Barium	**0.046**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:13	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:13	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:13	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:13	1
Calcium	**2.0**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:13	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:13	1
Cobalt	**0.00046**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:13	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:13	1
Lead	**0.00060**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:13	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:13	1
Selenium	**0.0012**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:13	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:13	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**49**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-11

Date Collected: 04/01/25 12:00
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-30

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**14**		1.0	0.71	mg/L			04/05/25 21:24	1
Fluoride, Dissolved	**0.031**	**J**	0.10	0.026	mg/L			04/05/25 21:24	1
Sulfate, Dissolved	**3.9**		1.0	0.76	mg/L			04/05/25 21:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:21	1
Barium, Dissolved	**0.027**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:21	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:21	1
Boron, Dissolved	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:21	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:21	1
Calcium, Dissolved	**1.8**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:21	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:21	1
Cobalt, Dissolved	**0.00041**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:21	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:21	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:21	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:21	1
Selenium, Dissolved	**0.0012**	**J**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:21	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:21	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:21	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:13	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**47**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-12

Date Collected: 04/01/25 12:22
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-31

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.71	mg/L			04/05/25 19:15	1
Fluoride	**0.029**	**J**	0.20	0.026	mg/L			04/05/25 19:15	1
Sulfate	**4.1**		1.0	0.76	mg/L			04/05/25 19:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:19	1
Barium	**0.032**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:19	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:19	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:19	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:19	1
Calcium	**2.0**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:19	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:19	1
Cobalt	**0.00049**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:19	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:19	1
Lead	**0.00067**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:19	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:19	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:19	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:19	1
Lithium	**0.0055**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**44**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-12

Date Collected: 04/01/25 12:30
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-32

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**14**		1.0	0.71	mg/L			04/05/25 19:33	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/05/25 19:33	1
Sulfate, Dissolved	**4.2**		1.0	0.76	mg/L			04/05/25 19:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:09	1
Barium, Dissolved	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:09	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:09	1
Boron, Dissolved	**0.024**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:09	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:09	1
Calcium, Dissolved	**1.9**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:09	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:09	1
Cobalt, Dissolved	**0.00042**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:09	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:09	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:09	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:09	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:09	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:09	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:09	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**14**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-13

Date Collected: 04/01/25 09:57
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-33

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84**		1.0	0.71	mg/L			04/05/25 19:52	1
Fluoride	**0.041**	**J**	0.20	0.026	mg/L			04/05/25 19:52	1
Sulfate	**16**		1.0	0.76	mg/L			04/05/25 19:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00088**	**J**	0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:21	1
Barium	**0.022**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:21	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:21	1
Boron	**0.047**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:21	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:21	1
Calcium	**3.4**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:21	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:21	1
Cobalt	**0.00041**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:21	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:21	1
Lead	**0.00061**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:21	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:21	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:21	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:21	1
Lithium	**0.0020**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**180**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-13

Date Collected: 04/01/25 10:05
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-34

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**77**		1.0	0.71	mg/L			04/05/25 20:10	1
Fluoride, Dissolved	**0.038**	**J**	0.10	0.026	mg/L			04/05/25 20:10	1
Sulfate, Dissolved	**14**		1.0	0.76	mg/L			04/05/25 20:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:23	1
Barium, Dissolved	**0.019**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:23	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:23	1
Boron, Dissolved	**0.044**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:23	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:23	1
Calcium, Dissolved	**3.1**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:23	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:23	1
Cobalt, Dissolved	**0.00023**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:23	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:23	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:23	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:23	1
Selenium, Dissolved	**0.00099**	**J**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:23	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:23	1
Lithium, Dissolved	**0.0036**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**160**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-14

Date Collected: 04/01/25 10:36
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-35

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36**		1.0	0.71	mg/L			04/05/25 20:29	1
Fluoride	**0.044**	**J**	0.20	0.026	mg/L			04/05/25 20:29	1
Sulfate	**7.1**		1.0	0.76	mg/L			04/05/25 20:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:23	1
Barium	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:23	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:23	1
Boron	**0.035**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:23	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:23	1
Calcium	**2.6**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:23	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:23	1
Cobalt	**0.00043**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:23	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:23	1
Lead	**0.00063**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:23	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:23	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:23	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:23	1
Lithium	**0.0020**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**93**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-14

Date Collected: 04/01/25 10:44
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-36

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**34**		1.0	0.71	mg/L			04/05/25 22:56	1
Fluoride, Dissolved	**0.039**	**J**	0.10	0.026	mg/L			04/05/25 22:56	1
Sulfate, Dissolved	**7.0**		1.0	0.76	mg/L			04/05/25 22:56	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:25	1
Barium, Dissolved	**0.024**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:25	1
Beryllium, Dissolved	**0.00024**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:25	1
Boron, Dissolved	**0.030**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:25	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:25	1
Calcium, Dissolved	**2.3**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:25	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:25	1
Cobalt, Dissolved	**0.00034**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:25	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:25	1
Lead, Dissolved	**0.00023**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:25	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:25	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:25	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:25	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**84**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-15

Date Collected: 04/01/25 11:19
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-37

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39**		1.0	0.71	mg/L			04/11/25 12:26	1
Fluoride	**0.038**	**J**	0.20	0.026	mg/L			04/11/25 12:26	1
Sulfate	**5.8**		1.0	0.76	mg/L			04/11/25 12:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/09/25 05:09	04/09/25 10:41	1
Barium	**0.027**		0.025	0.00089	mg/L		04/09/25 05:09	04/09/25 10:41	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/09/25 05:09	04/09/25 10:41	1
Boron	**0.030**	**J**	0.50	0.022	mg/L		04/09/25 05:09	04/09/25 10:41	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/09/25 05:09	04/09/25 10:41	1
Calcium	**2.6**		2.5	0.14	mg/L		04/09/25 05:09	04/09/25 10:41	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/09/25 05:09	04/09/25 10:41	1
Cobalt	**0.00044**	**J**	0.013	0.00022	mg/L		04/09/25 05:09	04/09/25 10:41	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/09/25 05:09	04/09/25 10:41	1
Lead	**0.00067**	**J**	0.013	0.00021	mg/L		04/09/25 05:09	04/09/25 10:41	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/09/25 05:09	04/09/25 10:41	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/09/25 05:09	04/09/25 10:41	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/09/25 05:09	04/09/25 10:41	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/09/25 05:09	04/09/25 13:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**110**		5.0	5.0	mg/L			04/08/25 10:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-15

Date Collected: 04/01/25 11:27
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-38

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**39**		1.0	0.71	mg/L			04/11/25 12:38	1
Fluoride, Dissolved	**0.030**	**J**	0.10	0.026	mg/L			04/11/25 12:38	1
Sulfate, Dissolved	**5.8**		1.0	0.76	mg/L			04/11/25 12:38	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00087**	**J**	0.015	0.00086	mg/L		04/09/25 05:11	04/09/25 11:10	1
Barium, Dissolved	**0.025**		0.025	0.00089	mg/L		04/09/25 05:11	04/09/25 11:10	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/09/25 05:11	04/09/25 11:10	1
Boron, Dissolved	**0.032**	**J**	0.50	0.022	mg/L		04/09/25 05:11	04/09/25 11:10	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/09/25 05:11	04/09/25 11:10	1
Calcium, Dissolved	**2.6**		2.5	0.14	mg/L		04/09/25 05:11	04/09/25 11:10	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/09/25 05:11	04/09/25 11:10	1
Cobalt, Dissolved	**0.00033**	**J**	0.013	0.00022	mg/L		04/09/25 05:11	04/09/25 11:10	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/09/25 05:11	04/09/25 11:10	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/09/25 05:11	04/09/25 11:10	1
Antimony, Dissolved	**0.00048**	**J**	0.025	0.00034	mg/L		04/09/25 05:11	04/09/25 11:10	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/09/25 05:11	04/09/25 11:10	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/09/25 05:11	04/09/25 11:10	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/09/25 05:11	04/09/25 12:58	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**100**		5.0	5.0	mg/L			04/08/25 10:38	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-16

Date Collected: 04/01/25 12:02
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-39

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49**		1.0	0.71	mg/L			04/05/25 23:15	1
Fluoride	**0.037**	**J**	0.20	0.026	mg/L			04/05/25 23:15	1
Sulfate	**9.8**		1.0	0.76	mg/L			04/05/25 23:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:25	1
Barium	**0.023**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:25	1
Boron	**0.031**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:25	1
Calcium	**3.0**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:25	1
Cobalt	**0.00039**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:25	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:25	1
Lead	**0.00061**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:25	1
Lithium	**0.0028**	**J B**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-16

Date Collected: 04/01/25 12:10
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-40

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**52**		1.0	0.71	mg/L			04/05/25 23:33	1
Fluoride, Dissolved	**0.11**		0.10	0.026	mg/L			04/05/25 23:33	1
Sulfate, Dissolved	**10**		1.0	0.76	mg/L			04/05/25 23:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:27	1
Barium, Dissolved	**0.020**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:27	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:27	1
Boron, Dissolved	**0.037**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:27	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:27	1
Calcium, Dissolved	**2.6**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:27	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:27	1
Cobalt, Dissolved	**0.00029**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:27	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:27	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:27	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:27	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:27	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:27	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:27	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**120**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-17

Date Collected: 04/01/25 12:39
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-41

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		10	7.1	mg/L			04/09/25 16:47	10
Fluoride	**0.065**	**J**	0.20	0.026	mg/L			04/05/25 23:52	1
Sulfate	**53**		1.0	0.76	mg/L			04/05/25 23:52	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:53	1
Barium	**0.024**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:53	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:53	1
Boron	**0.12**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:53	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:53	1
Calcium	**10**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:53	1
Cobalt	**0.00039**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:53	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:53	1
Lead	**0.00045**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:53	1
Selenium	**0.0015**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:53	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**630**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: SW-17

Date Collected: 04/01/25 12:49
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-42

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**390**		10	7.1	mg/L			04/09/25 16:58	10
Fluoride, Dissolved	**0.053**	**J**	0.10	0.026	mg/L			04/06/25 00:10	1
Sulfate, Dissolved	**53**		1.0	0.76	mg/L			04/06/25 00:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00086**	**J**	0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:29	1
Barium, Dissolved	**0.024**	**J**	0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:29	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:29	1
Boron, Dissolved	**0.11**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:29	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:29	1
Calcium, Dissolved	**10**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:29	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:29	1
Cobalt, Dissolved	**0.00026**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:29	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:29	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:29	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:29	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:29	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:29	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:29	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**620**		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-01

Date Collected: 04/01/25 10:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-43

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20**		1.0	0.71	mg/L			04/06/25 00:29	1
Fluoride	<0.026		0.20	0.026	mg/L			04/06/25 00:29	1
Sulfate	**4.7**		1.0	0.76	mg/L			04/06/25 00:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:59	1
Barium	**0.030**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:59	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:59	1
Boron	**0.043**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:59	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:59	1
Calcium	**2.4**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:59	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:59	1
Cobalt	**0.00042**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:59	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:59	1
Lead	**0.00066**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:59	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:59	1
Selenium	**0.0018**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:59	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:59	1
Lithium	**0.0053**	**J**	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**52**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-01

Date Collected: 04/01/25 10:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-44

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**21**		1.0	0.71	mg/L			04/06/25 00:47	1
Fluoride, Dissolved	**0.028**	**J**	0.10	0.026	mg/L			04/06/25 00:47	1
Sulfate, Dissolved	**5.0**		1.0	0.76	mg/L			04/06/25 00:47	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:31	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:31	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:31	1
Boron, Dissolved	**0.028**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:31	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:31	1
Calcium, Dissolved	**2.2**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:31	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:31	1
Cobalt, Dissolved	**0.00035**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:31	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:31	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:31	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:31	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:31	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:31	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:31	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 18:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**46**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-02

Date Collected: 04/01/25 07:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-45

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31**		1.0	0.71	mg/L			04/06/25 01:06	1
Fluoride	<0.026		0.20	0.026	mg/L			04/06/25 01:06	1
Sulfate	**6.3**		1.0	0.76	mg/L			04/06/25 01:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:01	1
Barium	**0.033**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:01	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:01	1
Boron	**0.038**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:01	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:01	1
Calcium	**2.7**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:01	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:01	1
Cobalt	**0.00054**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:01	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:01	1
Lead	**0.00087**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:01	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:01	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:01	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:01	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**81**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-02

Date Collected: 04/01/25 07:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-46

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**30**		1.0	0.71	mg/L			04/06/25 02:01	1
Fluoride, Dissolved	**0.027**	**J**	0.10	0.026	mg/L			04/06/25 02:01	1
Sulfate, Dissolved	**6.3**		1.0	0.76	mg/L			04/06/25 02:01	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:33	1
Barium, Dissolved	**0.028**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:33	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:33	1
Boron, Dissolved	**0.027**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:33	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:33	1
Calcium, Dissolved	**2.4**	**J**	2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:33	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:33	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:33	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:33	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:33	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:33	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:33	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:33	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:33	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**84**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-03

Date Collected: 04/02/25 09:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-47

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44**		1.0	0.71	mg/L			04/09/25 19:05	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 22:30	1
Sulfate	**7.5**		1.0	0.76	mg/L			04/08/25 22:30	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:03	1
Barium	**0.029**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:03	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:03	1
Boron	**0.034**	**J**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:03	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:03	1
Calcium	**3.4**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:03	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:03	1
Cobalt	**0.00045**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:03	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:03	1
Lead	**0.00058**	**J**	0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:03	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:03	1
Selenium	**0.0015**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:03	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:03	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: DUP-03

Date Collected: 04/02/25 09:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-48

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**44**		1.0	0.71	mg/L			04/09/25 19:17	1
Fluoride, Dissolved	**0.039**	**J**	0.10	0.026	mg/L			04/08/25 22:42	1
Sulfate, Dissolved	**7.6**		1.0	0.76	mg/L			04/08/25 22:42	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:35	1
Barium, Dissolved	**0.026**		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:35	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:35	1
Boron, Dissolved	**0.032**	**J B**	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:35	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:35	1
Calcium, Dissolved	**3.3**		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:35	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:35	1
Cobalt, Dissolved	**0.00030**	**J**	0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:35	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:35	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:35	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:35	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:35	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:35	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:35	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**86**		10	10	mg/L			04/07/25 13:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: FB-01

Date Collected: 04/01/25 07:06
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-49

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/06/25 03:15	1
Fluoride	<0.026		0.20	0.026	mg/L			04/06/25 03:15	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/25 03:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:05	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:05	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:05	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:05	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:05	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:05	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:05	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:05	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:05	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:05	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:05	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:05	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:05	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 19:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 10:46	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: EB-01

Date Collected: 04/01/25 07:14
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-50

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/06/25 03:34	1
Fluoride	**0.028**	**J**	0.20	0.026	mg/L			04/06/25 03:34	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/25 03:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:11	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:11	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:11	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:11	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:11	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:11	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:11	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:11	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:11	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:11	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:11	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:11	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:11	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-1

Client Sample ID: FB-02

Date Collected: 04/02/25 09:45
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-51

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/09/25 19:51	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 23:16	1
Sulfate	<0.76		1.0	0.76	mg/L			04/08/25 23:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:13	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:13	1
Beryllium	**0.00024**	**J**	0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:13	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:13	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:13	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:13	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:13	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:13	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:13	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:13	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:13	1
Selenium	**0.0016**	**J B**	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:13	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:13	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 12:42	1

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: EB-02
Lab Sample ID: 180-188701-52
Date Collected: 04/02/25 09:48
Matrix: Water
Date Received: 04/04/25 09:15

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/09/25 20:03	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 00:25	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 00:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 11:17	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 11:17	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 11:17	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 11:17	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 11:17	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 11:17	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 11:17	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 11:17	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 11:17	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 11:17	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 11:17	1
Selenium	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 11:17	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 11:17	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 11:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/07/25 10:46	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-493290/37
Matrix: Water
Analysis Batch: 493290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/25 20:47	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/05/25 20:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/05/25 20:47	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/05/25 20:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/25 20:47	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/05/25 20:47	1

Lab Sample ID: MB 180-493290/6
Matrix: Water
Analysis Batch: 493290

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/25 11:14	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/05/25 11:14	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/25 11:14	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/05/25 11:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/25 11:14	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/05/25 11:14	1

Lab Sample ID: LCS 180-493290/38
Matrix: Water
Analysis Batch: 493290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.8		mg/L		98	90 - 110
Chloride, Dissolved	50.0	48.8		mg/L		98	90 - 110
Fluoride	2.50	2.49		mg/L		99	90 - 110
Fluoride, Dissolved	2.50	2.49		mg/L		99	90 - 110
Sulfate	50.0	49.0		mg/L		98	90 - 110
Sulfate, Dissolved	50.0	49.0		mg/L		98	90 - 110

Lab Sample ID: LCS 180-493290/7
Matrix: Water
Analysis Batch: 493290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.4		mg/L		99	90 - 110
Chloride, Dissolved	50.0	49.4		mg/L		99	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Fluoride, Dissolved	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110
Sulfate, Dissolved	50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: 180-188701-9 MS
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	88		50.0	134		mg/L		90	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-188701-9 MS
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.053	J	2.50	2.54		mg/L		99	90 - 110
Sulfate	16		50.0	65.0		mg/L		98	90 - 110

Lab Sample ID: 180-188701-9 MSD
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	88		50.0	133		mg/L		90	90 - 110	0	20
Fluoride	0.053	J	2.50	2.54		mg/L		100	90 - 110	0	20
Sulfate	16		50.0	64.4		mg/L		97	90 - 110	1	20

Lab Sample ID: 180-188701-21 MS
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	70	F1	50.0	115		mg/L		92	90 - 110
Fluoride	0.058	J	2.50	2.53		mg/L		99	90 - 110
Sulfate	14		50.0	63.2		mg/L		98	90 - 110

Lab Sample ID: 180-188701-21 MSD
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	70	F1	50.0	113	F1	mg/L		86	90 - 110	2	20
Fluoride	0.058	J	2.50	2.46		mg/L		96	90 - 110	3	20
Sulfate	14		50.0	61.1		mg/L		94	90 - 110	3	20

Lab Sample ID: LB 180-492278/1-A
Matrix: Water
Analysis Batch: 493291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/25 15:34	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/05/25 15:34	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/25 15:34	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/05/25 15:34	1
Sulfate	2.04		1.0	0.76	mg/L			04/05/25 15:34	1
Sulfate, Dissolved	2.04		1.0	0.76	mg/L			04/05/25 15:34	1

Lab Sample ID: MB 180-493291/6
Matrix: Water
Analysis Batch: 493291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/25 10:45	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/05/25 10:45	1
Fluoride	<0.026		0.10	0.026	mg/L			04/05/25 10:45	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-493291/6
Matrix: Water
Analysis Batch: 493291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/05/25 10:45	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/25 10:45	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/05/25 10:45	1

Lab Sample ID: LCS 180-493291/7
Matrix: Water
Analysis Batch: 493291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	52.5		mg/L		105	90 - 110
Chloride, Dissolved	50.0	52.5		mg/L		105	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Fluoride, Dissolved	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	50.9		mg/L		102	90 - 110
Sulfate, Dissolved	50.0	50.9		mg/L		102	90 - 110

Lab Sample ID: MB 180-493438/43
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/08/25 23:28	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/08/25 23:28	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/25 23:28	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/08/25 23:28	1
Sulfate	<0.76		1.0	0.76	mg/L			04/08/25 23:28	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/08/25 23:28	1

Lab Sample ID: MB 180-493438/6
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/08/25 12:24	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/08/25 12:24	1
Fluoride	<0.026		0.20	0.026	mg/L			04/08/25 12:24	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/08/25 12:24	1
Sulfate	<0.76		1.0	0.76	mg/L			04/08/25 12:24	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/08/25 12:24	1

Lab Sample ID: LCS 180-493438/44
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	56.1	*+	mg/L		112	90 - 110
Chloride, Dissolved	50.0	56.1	*+	mg/L		112	90 - 110
Fluoride	2.50	2.70		mg/L		108	90 - 110
Fluoride, Dissolved	2.50	2.70		mg/L		108	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-493438/44
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate, Dissolved	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: LCS 180-493438/7
Matrix: Water
Analysis Batch: 493438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.3		mg/L		107	90 - 110
Chloride, Dissolved	50.0	53.3		mg/L		107	90 - 110
Fluoride	2.50	2.40		mg/L		96	90 - 110
Fluoride, Dissolved	2.50	2.40		mg/L		96	90 - 110
Sulfate	50.0	45.9		mg/L		92	90 - 110
Sulfate, Dissolved	50.0	45.9		mg/L		92	90 - 110

Lab Sample ID: MB 180-493527/26
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/09/25 15:01	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/09/25 15:01	1
Fluoride	<0.026		0.20	0.026	mg/L			04/09/25 15:01	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/09/25 15:01	1
Sulfate	<0.76		1.0	0.76	mg/L			04/09/25 15:01	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/09/25 15:01	1

Lab Sample ID: LCS 180-493527/27
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.7		mg/L		103	90 - 110
Chloride, Dissolved	50.0	51.7		mg/L		103	90 - 110
Fluoride	2.50	2.31		mg/L		92	90 - 110
Fluoride, Dissolved	2.50	2.31		mg/L		92	90 - 110
Sulfate	50.0	46.1		mg/L		92	90 - 110
Sulfate, Dissolved	50.0	46.1		mg/L		92	90 - 110

Lab Sample ID: LB 180-493431/1-A
Matrix: Water
Analysis Batch: 493732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/11/25 17:35	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/11/25 17:35	1
Fluoride	<0.026		0.20	0.026	mg/L			04/11/25 17:35	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/11/25 17:35	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/25 17:35	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/11/25 17:35	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-493732/6
Matrix: Water
Analysis Batch: 493732

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/11/25 10:56	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/11/25 10:56	1
Fluoride	<0.026		0.20	0.026	mg/L			04/11/25 10:56	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/11/25 10:56	1
Sulfate	<0.76		1.0	0.76	mg/L			04/11/25 10:56	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/11/25 10:56	1

Lab Sample ID: LCS 180-493732/7
Matrix: Water
Analysis Batch: 493732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	53.6		mg/L		107	90 - 110
Chloride, Dissolved	50.0	53.6		mg/L		107	90 - 110
Fluoride	2.50	2.33		mg/L		93	90 - 110
Fluoride, Dissolved	2.50	2.33		mg/L		93	90 - 110
Sulfate	50.0	48.2		mg/L		96	90 - 110
Sulfate, Dissolved	50.0	48.2		mg/L		96	90 - 110

Lab Sample ID: 180-188701-11 MS
Matrix: Water
Analysis Batch: 493732

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80	E F1	50.0	116	E F1	mg/L		72	90 - 110
Chloride, Dissolved	80	E F1	50.0	116	E F1	mg/L		72	90 - 110
Fluoride	0.049	J F1	2.50	2.87	F1	mg/L		113	90 - 110
Fluoride, Dissolved	0.049	J F1	2.50	2.87	F1	mg/L		113	90 - 110
Sulfate	12	F1	50.0	76.6	F1	mg/L		129	90 - 110
Sulfate, Dissolved	12	F1	50.0	76.6	F1	mg/L		129	90 - 110

Lab Sample ID: 180-188701-11 MSD
Matrix: Water
Analysis Batch: 493732

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80	E F1	50.0	116	E F1	mg/L		72	90 - 110	0	20
Chloride, Dissolved	80	E F1	50.0	116	E F1	mg/L		72	90 - 110	0	20
Fluoride	0.049	J F1	2.50	2.89	F1	mg/L		114	90 - 110	1	20
Fluoride, Dissolved	0.049	J F1	2.50	2.89	F1	mg/L		114	90 - 110	1	20
Sulfate	12	F1	50.0	76.3	F1	mg/L		128	90 - 110	0	20
Sulfate, Dissolved	12	F1	50.0	76.3	F1	mg/L		128	90 - 110	0	20

Lab Sample ID: 180-188701-8 MS
Matrix: Water
Analysis Batch: 493438

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	<0.026		2.50	2.48		mg/L		99	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-188701-8 MS
Matrix: Water
Analysis Batch: 493438

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride, Dissolved	<0.026		2.50	2.48		mg/L		99	90 - 110
Sulfate	7.7		50.0	56.3		mg/L		97	90 - 110
Sulfate, Dissolved	7.7		50.0	56.3		mg/L		97	90 - 110

Lab Sample ID: 180-188701-8 MSD
Matrix: Water
Analysis Batch: 493438

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	<0.026		2.50	2.37		mg/L		95	90 - 110	4	20
Fluoride, Dissolved	<0.026		2.50	2.37		mg/L		95	90 - 110	4	20
Sulfate	7.7		50.0	55.2		mg/L		95	90 - 110	2	20
Sulfate, Dissolved	7.7		50.0	55.2		mg/L		95	90 - 110	2	20

Lab Sample ID: 180-188701-8 MS
Matrix: Water
Analysis Batch: 493527

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46	F1	50.0	86.0	E F1	mg/L		81	90 - 110
Chloride, Dissolved	46	F1	50.0	86.0	E F1	mg/L		81	90 - 110
Fluoride	0.047	J	2.50	2.46		mg/L		97	90 - 110
Fluoride, Dissolved	0.047	J	2.50	2.46		mg/L		97	90 - 110
Sulfate	7.4		50.0	58.5		mg/L		102	90 - 110
Sulfate, Dissolved	7.4		50.0	58.5		mg/L		102	90 - 110

Lab Sample ID: 180-188701-8 MSD
Matrix: Water
Analysis Batch: 493527

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46	F1	50.0	86.7	E F1	mg/L		82	90 - 110	1	20
Chloride, Dissolved	46	F1	50.0	86.7	E F1	mg/L		82	90 - 110	1	20
Fluoride	0.047	J	2.50	2.50		mg/L		98	90 - 110	2	20
Fluoride, Dissolved	0.047	J	2.50	2.50		mg/L		98	90 - 110	2	20
Sulfate	7.4		50.0	59.2		mg/L		104	90 - 110	1	20
Sulfate, Dissolved	7.4		50.0	59.2		mg/L		104	90 - 110	1	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 180-493527/55
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/09/25 20:49	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/09/25 20:49	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/09/25 20:49	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-493527/56
Matrix: Water
Analysis Batch: 493527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride, Dissolved			50.0	52.4		mg/L		105	90 - 110		
Fluoride, Dissolved			2.50	2.34		mg/L		94	90 - 110		
Sulfate, Dissolved			50.0	47.1		mg/L		94	90 - 110		

Lab Sample ID: 180-188701-30 MS
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride, Dissolved	14		50.0	61.9		mg/L		96	90 - 110		
Fluoride, Dissolved	0.031	J	2.50	2.52		mg/L		100	90 - 110		
Sulfate, Dissolved	3.9		50.0	52.8		mg/L		98	90 - 110		

Lab Sample ID: 180-188701-30 MSD
Matrix: Water
Analysis Batch: 493290

Client Sample ID: SW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride, Dissolved	14		50.0	61.9		mg/L		96	90 - 110	0	20
Fluoride, Dissolved	0.031	J	2.50	2.53		mg/L		100	90 - 110	0	20
Sulfate, Dissolved	3.9		50.0	52.8		mg/L		98	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880473/1-A
Matrix: Water
Analysis Batch: 880516

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/09/25 05:09	04/09/25 10:28	1
Barium	<0.00089		0.025	0.00089	mg/L		04/09/25 05:09	04/09/25 10:28	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/09/25 05:09	04/09/25 10:28	1
Boron	<0.022		0.50	0.022	mg/L		04/09/25 05:09	04/09/25 10:28	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/09/25 05:09	04/09/25 10:28	1
Calcium	<0.14		2.5	0.14	mg/L		04/09/25 05:09	04/09/25 10:28	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/09/25 05:09	04/09/25 10:28	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/09/25 05:09	04/09/25 10:28	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/09/25 05:09	04/09/25 10:28	1
Lead	<0.00021		0.013	0.00021	mg/L		04/09/25 05:09	04/09/25 10:28	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/09/25 05:09	04/09/25 10:28	1
Selenium	0.00108	J	0.013	0.00099	mg/L		04/09/25 05:09	04/09/25 10:28	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/09/25 05:09	04/09/25 10:28	1

Lab Sample ID: MB 680-880473/1-A
Matrix: Water
Analysis Batch: 880524

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.025	0.0020	mg/L		04/09/25 05:09	04/09/25 13:07	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880473/2-A
Matrix: Water
Analysis Batch: 880516

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.112		mg/L		112	80 - 120
Barium	0.100	0.110		mg/L		110	80 - 120
Beryllium	0.0500	0.0559		mg/L		112	80 - 120
Boron	0.400	0.403	J	mg/L		101	80 - 120
Cadmium	0.0500	0.0558		mg/L		112	80 - 120
Calcium	5.00	5.58		mg/L		112	80 - 120
Chromium	0.100	0.104		mg/L		104	80 - 120
Cobalt	0.0500	0.0539		mg/L		108	80 - 120
Molybdenum	0.100	0.113		mg/L		113	80 - 120
Lead	0.500	0.550		mg/L		110	80 - 120
Antimony	0.0500	0.0558		mg/L		112	80 - 120
Selenium	0.100	0.113		mg/L		113	80 - 120
Thallium	0.0500	0.0551		mg/L		110	80 - 120

Lab Sample ID: LCS 680-880473/2-A
Matrix: Water
Analysis Batch: 880524

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.501		mg/L		100	80 - 120

Lab Sample ID: 180-188701-11 MS
Matrix: Water
Analysis Batch: 880516

Client Sample ID: SW-3
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0012	J	0.100	0.112		mg/L		111	75 - 125
Barium	0.028		0.100	0.134		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0529		mg/L		106	75 - 125
Boron	0.044	J	0.400	0.435	J	mg/L		98	75 - 125
Cadmium	<0.000078		0.0500	0.0533		mg/L		107	75 - 125
Calcium	3.9		5.00	8.91		mg/L		101	75 - 125
Chromium	<0.0012		0.100	0.0974		mg/L		97	75 - 125
Cobalt	0.00039	J	0.0500	0.0506		mg/L		100	75 - 125
Molybdenum	<0.00086		0.100	0.108		mg/L		108	75 - 125
Lead	0.00049	J	0.500	0.524		mg/L		105	75 - 125
Antimony	<0.00034		0.0500	0.0538		mg/L		108	75 - 125
Selenium	<0.00099		0.100	0.104		mg/L		104	75 - 125
Thallium	<0.00026		0.0500	0.0529		mg/L		106	75 - 125

Lab Sample ID: 180-188701-11 MS
Matrix: Water
Analysis Batch: 880524

Client Sample ID: SW-3
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0062	J	0.500	0.533		mg/L		105	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188701-11 MSD
Matrix: Water
Analysis Batch: 880516

Client Sample ID: SW-3
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0012	J	0.100	0.112		mg/L		111	75 - 125	0	20
Barium	0.028		0.100	0.130		mg/L		102	75 - 125	3	20
Beryllium	<0.00020		0.0500	0.0538		mg/L		108	75 - 125	2	20
Boron	0.044	J	0.400	0.430	J	mg/L		96	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0523		mg/L		105	75 - 125	2	20
Calcium	3.9		5.00	9.24		mg/L		108	75 - 125	4	20
Chromium	<0.0012		0.100	0.0989		mg/L		99	75 - 125	2	20
Cobalt	0.00039	J	0.0500	0.0504		mg/L		100	75 - 125	0	20
Molybdenum	<0.00086		0.100	0.108		mg/L		108	75 - 125	1	20
Lead	0.00049	J	0.500	0.520		mg/L		104	75 - 125	1	20
Antimony	<0.00034		0.0500	0.0522		mg/L		104	75 - 125	3	20
Selenium	<0.00099		0.100	0.107		mg/L		107	75 - 125	3	20
Thallium	<0.00026		0.0500	0.0526		mg/L		105	75 - 125	1	20

Lab Sample ID: 180-188701-11 MSD
Matrix: Water
Analysis Batch: 880524

Client Sample ID: SW-3
Prep Type: Total Recoverable
Prep Batch: 880473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0062	J	0.500	0.527		mg/L		104	75 - 125	1	20

Lab Sample ID: MB 680-880474/1-A
Matrix: Water
Analysis Batch: 880516

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/09/25 05:11	04/09/25 10:57	1
Barium, Dissolved	<0.00089		0.025	0.00089	mg/L		04/09/25 05:11	04/09/25 10:57	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/09/25 05:11	04/09/25 10:57	1
Boron, Dissolved	<0.022		0.50	0.022	mg/L		04/09/25 05:11	04/09/25 10:57	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/09/25 05:11	04/09/25 10:57	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		04/09/25 05:11	04/09/25 10:57	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/09/25 05:11	04/09/25 10:57	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		04/09/25 05:11	04/09/25 10:57	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/09/25 05:11	04/09/25 10:57	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/09/25 05:11	04/09/25 10:57	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/09/25 05:11	04/09/25 10:57	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/09/25 05:11	04/09/25 10:57	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/09/25 05:11	04/09/25 10:57	1

Lab Sample ID: MB 680-880474/1-A
Matrix: Water
Analysis Batch: 880524

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/09/25 05:11	04/09/25 12:43	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880474/2-A
Matrix: Water
Analysis Batch: 880516

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.115		mg/L		115	80 - 120
Barium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Beryllium, Dissolved	0.0500	0.0549		mg/L		110	80 - 120
Boron, Dissolved	0.400	0.391	J	mg/L		98	80 - 120
Cadmium, Dissolved	0.0500	0.0524		mg/L		105	80 - 120
Calcium, Dissolved	5.00	5.42		mg/L		108	80 - 120
Chromium, Dissolved	0.100	0.0999		mg/L		100	80 - 120
Cobalt, Dissolved	0.0500	0.0515		mg/L		103	80 - 120
Molybdenum, Dissolved	0.100	0.110		mg/L		110	80 - 120
Lead, Dissolved	0.500	0.529		mg/L		106	80 - 120
Antimony, Dissolved	0.0500	0.0525		mg/L		105	80 - 120
Selenium, Dissolved	0.100	0.110		mg/L		110	80 - 120
Thallium, Dissolved	0.0500	0.0521		mg/L		104	80 - 120

Lab Sample ID: LCS 680-880474/2-A
Matrix: Water
Analysis Batch: 880524

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium, Dissolved	0.500	0.506		mg/L		101	80 - 120

Lab Sample ID: MB 680-880726/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 12:32	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 12:32	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 12:32	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 12:32	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 12:32	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 12:32	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 12:32	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 12:32	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 12:32	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 12:32	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 12:32	1
Selenium	0.00147	J	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 12:32	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 12:32	1
Lithium	0.00298	J	0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 12:32	1

Lab Sample ID: LCS 680-880726/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.101		mg/L		101	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880726/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.384	J	mg/L		96	80 - 120
Cadmium	0.0500	0.0527		mg/L		105	80 - 120
Calcium	5.00	5.25		mg/L		105	80 - 120
Chromium	0.100	0.106		mg/L		106	80 - 120
Cobalt	0.0500	0.0522		mg/L		104	80 - 120
Molybdenum	0.100	0.102		mg/L		102	80 - 120
Lead	0.500	0.498		mg/L		100	80 - 120
Antimony	0.0500	0.0510		mg/L		102	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.0500	0.0515		mg/L		103	80 - 120
Lithium	0.500	0.490		mg/L		98	80 - 120

Lab Sample ID: MB 680-880728/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 10:47	1
Barium	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 10:47	1
Beryllium	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 10:47	1
Boron	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 10:47	1
Cadmium	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 10:47	1
Calcium	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 10:47	1
Chromium	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 10:47	1
Cobalt	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 10:47	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 10:47	1
Lead	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 10:47	1
Antimony	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 10:47	1
Selenium	0.00194	J	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 10:47	1
Thallium	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 10:47	1
Lithium	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 10:47	1

Lab Sample ID: LCS 680-880728/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.0500	0.0521		mg/L		104	80 - 120
Boron	0.400	0.380	J	mg/L		95	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	5.00	5.35		mg/L		107	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Antimony	0.0500	0.0501		mg/L		100	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880728/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.0500	0.0513		mg/L		103	80 - 120
Lithium	0.500	0.465		mg/L		93	80 - 120

Lab Sample ID: 180-188701-41 MS
Matrix: Water
Analysis Batch: 880902

Client Sample ID: SW-17
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.00086		0.100	0.106		mg/L		106	75 - 125
Barium	0.024	J	0.100	0.130		mg/L		105	75 - 125
Beryllium	<0.00020		0.0500	0.0493		mg/L		99	75 - 125
Boron	0.12	J	0.400	0.492	J	mg/L		94	75 - 125
Cadmium	<0.000078		0.0500	0.0539		mg/L		108	75 - 125
Calcium	10		5.00	15.4		mg/L		102	75 - 125
Chromium	<0.0012		0.100	0.108		mg/L		108	75 - 125
Cobalt	0.00039	J	0.0500	0.0541		mg/L		107	75 - 125
Molybdenum	<0.00086		0.100	0.107		mg/L		107	75 - 125
Lead	0.00045	J	0.500	0.509		mg/L		102	75 - 125
Antimony	<0.00034		0.0500	0.0513		mg/L		103	75 - 125
Selenium	0.0015	J B	0.100	0.105		mg/L		104	75 - 125
Thallium	<0.00026		0.0500	0.0521		mg/L		104	75 - 125
Lithium	<0.0020		0.500	0.507		mg/L		101	75 - 125

Lab Sample ID: 180-188701-41 MSD
Matrix: Water
Analysis Batch: 880902

Client Sample ID: SW-17
Prep Type: Total Recoverable
Prep Batch: 880728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.00086		0.100	0.104		mg/L		104	75 - 125	2	20
Barium	0.024	J	0.100	0.129		mg/L		105	75 - 125	1	20
Beryllium	<0.00020		0.0500	0.0536		mg/L		107	75 - 125	8	20
Boron	0.12	J	0.400	0.535		mg/L		105	75 - 125	8	20
Cadmium	<0.000078		0.0500	0.0544		mg/L		109	75 - 125	1	20
Calcium	10		5.00	15.8		mg/L		110	75 - 125	2	20
Chromium	<0.0012		0.100	0.108		mg/L		108	75 - 125	0	20
Cobalt	0.00039	J	0.0500	0.0534		mg/L		106	75 - 125	1	20
Molybdenum	<0.00086		0.100	0.105		mg/L		105	75 - 125	1	20
Lead	0.00045	J	0.500	0.510		mg/L		102	75 - 125	0	20
Antimony	<0.00034		0.0500	0.0515		mg/L		103	75 - 125	0	20
Selenium	0.0015	J B	0.100	0.0995		mg/L		98	75 - 125	6	20
Thallium	<0.00026		0.0500	0.0529		mg/L		106	75 - 125	2	20
Lithium	<0.0020		0.500	0.513		mg/L		103	75 - 125	1	20

Lab Sample ID: MB 680-880729/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 13:33	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880729/1-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 13:33	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 13:33	1
Boron, Dissolved	<0.022		0.50	0.022	mg/L		04/14/25 04:49	04/15/25 13:33	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 13:33	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 13:33	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 13:33	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 13:33	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 13:33	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 13:33	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 13:33	1
Selenium, Dissolved	0.00104	J	0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 13:33	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 13:33	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 13:33	1

Lab Sample ID: LCS 680-880729/2-A
Matrix: Water
Analysis Batch: 880902

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.111		mg/L		111	80 - 120
Barium, Dissolved	0.100	0.103		mg/L		103	80 - 120
Beryllium, Dissolved	0.0500	0.0559		mg/L		112	80 - 120
Boron, Dissolved	0.400	0.408	J	mg/L		102	80 - 120
Cadmium, Dissolved	0.0500	0.0549		mg/L		110	80 - 120
Calcium, Dissolved	5.00	5.39		mg/L		108	80 - 120
Chromium, Dissolved	0.100	0.110		mg/L		110	80 - 120
Cobalt, Dissolved	0.0500	0.0519		mg/L		104	80 - 120
Molybdenum, Dissolved	0.100	0.102		mg/L		102	80 - 120
Lead, Dissolved	0.500	0.511		mg/L		102	80 - 120
Antimony, Dissolved	0.0500	0.0509		mg/L		102	80 - 120
Selenium, Dissolved	0.100	0.0857		mg/L		86	80 - 120
Thallium, Dissolved	0.0500	0.0536		mg/L		107	80 - 120
Lithium, Dissolved	0.500	0.489		mg/L		98	80 - 120

Lab Sample ID: MB 680-880731/1-A
Matrix: Water
Analysis Batch: 880866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		04/14/25 04:49	04/15/25 09:52	1
Barium, Dissolved	<0.00089		0.025	0.00089	mg/L		04/14/25 04:49	04/15/25 09:52	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		04/14/25 04:49	04/15/25 09:52	1
Boron, Dissolved	0.0293	J	0.50	0.022	mg/L		04/14/25 04:49	04/15/25 09:52	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		04/14/25 04:49	04/15/25 09:52	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		04/14/25 04:49	04/15/25 09:52	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		04/14/25 04:49	04/15/25 09:52	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		04/14/25 04:49	04/15/25 09:52	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		04/14/25 04:49	04/15/25 09:52	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		04/14/25 04:49	04/15/25 09:52	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880731/1-A
Matrix: Water
Analysis Batch: 880866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		04/14/25 04:49	04/15/25 09:52	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		04/14/25 04:49	04/15/25 09:52	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		04/14/25 04:49	04/15/25 09:52	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		04/14/25 04:49	04/15/25 09:52	1

Lab Sample ID: LCS 680-880731/2-A
Matrix: Water
Analysis Batch: 880866

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.104		mg/L		104	80 - 120
Barium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Beryllium, Dissolved	0.0500	0.0578		mg/L		116	80 - 120
Boron, Dissolved	0.400	0.421	J	mg/L		105	80 - 120
Cadmium, Dissolved	0.0500	0.0527		mg/L		105	80 - 120
Calcium, Dissolved	5.00	5.21		mg/L		104	80 - 120
Chromium, Dissolved	0.100	0.106		mg/L		106	80 - 120
Cobalt, Dissolved	0.0500	0.0515		mg/L		103	80 - 120
Molybdenum, Dissolved	0.100	0.103		mg/L		103	80 - 120
Lead, Dissolved	0.500	0.501		mg/L		100	80 - 120
Antimony, Dissolved	0.0500	0.0504		mg/L		101	80 - 120
Selenium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Thallium, Dissolved	0.0500	0.0519		mg/L		104	80 - 120
Lithium, Dissolved	0.500	0.473		mg/L		95	80 - 120

Lab Sample ID: 180-188701-12 MS
Matrix: Water
Analysis Batch: 880516

Client Sample ID: SW-3
Prep Type: Dissolved
Prep Batch: 880474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	<0.00086	F1	0.100	0.111		mg/L		111	75 - 125
Barium, Dissolved	0.027	F1	0.100	0.124		mg/L		98	75 - 125
Beryllium, Dissolved	<0.00020	F1	0.0500	0.0532		mg/L		106	75 - 125
Boron, Dissolved	0.045	J F1	0.400	0.428	J	mg/L		96	75 - 125
Cadmium, Dissolved	<0.000078	F1	0.0500	0.0522		mg/L		104	75 - 125
Calcium, Dissolved	3.9	F1	5.00	9.02		mg/L		101	75 - 125
Chromium, Dissolved	<0.0012	F1	0.100	0.0940		mg/L		94	75 - 125
Cobalt, Dissolved	0.00030	J F1	0.0500	0.0496		mg/L		99	75 - 125
Molybdenum, Dissolved	<0.00086	F1	0.100	0.106		mg/L		106	75 - 125
Lead, Dissolved	<0.00021	F1	0.500	0.504		mg/L		101	75 - 125
Antimony, Dissolved	<0.00034	F1	0.0500	0.0527		mg/L		105	75 - 125
Selenium, Dissolved	<0.00099	F1	0.100	0.108		mg/L		108	75 - 125
Thallium, Dissolved	<0.00026	F1	0.0500	0.0505		mg/L		101	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188701-12 MS
Matrix: Water
Analysis Batch: 880524

Client Sample ID: SW-3
Prep Type: Dissolved
Prep Batch: 880474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium, Dissolved	<0.0020		0.500	0.494		mg/L		99	75 - 125

Lab Sample ID: 180-188701-12 MSD
Matrix: Water
Analysis Batch: 880516

Client Sample ID: SW-3
Prep Type: Dissolved
Prep Batch: 880474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	<0.00086	F1	0.100	0.113		mg/L		113	75 - 125	1	20
Barium, Dissolved	0.027	F1	0.100	0.124		mg/L		98	75 - 125	0	20
Beryllium, Dissolved	<0.00020	F1	0.0500	0.0530		mg/L		106	75 - 125	0	20
Boron, Dissolved	0.045	J F1	0.400	0.418	J	mg/L		93	75 - 125	2	20
Cadmium, Dissolved	<0.000078	F1	0.0500	0.0518		mg/L		104	75 - 125	1	20
Calcium, Dissolved	3.9	F1	5.00	8.83		mg/L		98	75 - 125	2	20
Chromium, Dissolved	<0.0012	F1	0.100	0.0922		mg/L		92	75 - 125	2	20
Cobalt, Dissolved	0.00030	J F1	0.0500	0.0483		mg/L		96	75 - 125	3	20
Molybdenum, Dissolved	<0.00086	F1	0.100	0.103		mg/L		103	75 - 125	3	20
Lead, Dissolved	<0.00021	F1	0.500	0.510		mg/L		102	75 - 125	1	20
Antimony, Dissolved	<0.00034	F1	0.0500	0.0524		mg/L		105	75 - 125	0	20
Selenium, Dissolved	<0.00099	F1	0.100	0.101		mg/L		101	75 - 125	7	20
Thallium, Dissolved	<0.00026	F1	0.0500	0.0508		mg/L		102	75 - 125	1	20

Lab Sample ID: 180-188701-12 MSD
Matrix: Water
Analysis Batch: 880524

Client Sample ID: SW-3
Prep Type: Dissolved
Prep Batch: 880474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium, Dissolved	<0.0020		0.500	0.483		mg/L		97	75 - 125	2	20

Lab Sample ID: 180-188701-16 MS
Matrix: Water
Analysis Batch: 880866

Client Sample ID: SW-5
Prep Type: Dissolved
Prep Batch: 880731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	<0.00086		0.100	0.104		mg/L		104	75 - 125
Barium, Dissolved	0.029		0.100	0.127		mg/L		97	75 - 125
Beryllium, Dissolved	<0.00020		0.0500	0.0481		mg/L		96	75 - 125
Boron, Dissolved	0.050	J B	0.400	0.434	J	mg/L		96	75 - 125
Cadmium, Dissolved	<0.000078		0.0500	0.0513		mg/L		103	75 - 125
Calcium, Dissolved	1.8	J	5.00	7.02		mg/L		105	75 - 125
Chromium, Dissolved	<0.0012		0.100	0.106		mg/L		106	75 - 125
Cobalt, Dissolved	0.00040	J	0.0500	0.0510		mg/L		101	75 - 125
Molybdenum, Dissolved	<0.00086		0.100	0.0993		mg/L		99	75 - 125
Lead, Dissolved	0.00030	J	0.500	0.545		mg/L		109	75 - 125
Antimony, Dissolved	<0.00034		0.0500	0.0508		mg/L		102	75 - 125
Selenium, Dissolved	<0.00099		0.100	0.108		mg/L		108	75 - 125
Thallium, Dissolved	<0.00026		0.0500	0.0515		mg/L		103	75 - 125
Lithium, Dissolved	<0.0020		0.500	0.483		mg/L		97	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-188701-16 MSD — **Client Sample ID: SW-5**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 880866 — **Prep Batch: 880731**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	<0.00086		0.100	0.103		mg/L		103	75 - 125	1	20
Barium, Dissolved	0.029		0.100	0.127		mg/L		98	75 - 125	1	20
Beryllium, Dissolved	<0.00020		0.0500	0.0514		mg/L		103	75 - 125	7	20
Boron, Dissolved	0.050	J B	0.400	0.422	J	mg/L		93	75 - 125	3	20
Cadmium, Dissolved	<0.000078		0.0500	0.0514		mg/L		103	75 - 125	0	20
Calcium, Dissolved	1.8	J	5.00	7.01		mg/L		104	75 - 125	0	20
Chromium, Dissolved	<0.0012		0.100	0.106		mg/L		106	75 - 125	0	20
Cobalt, Dissolved	0.00040	J	0.0500	0.0512		mg/L		102	75 - 125	0	20
Molybdenum, Dissolved	<0.00086		0.100	0.100		mg/L		100	75 - 125	1	20
Lead, Dissolved	0.00030	J	0.500	0.501		mg/L		100	75 - 125	9	20
Antimony, Dissolved	<0.00034		0.0500	0.0500		mg/L		100	75 - 125	1	20
Selenium, Dissolved	<0.00099		0.100	0.101		mg/L		101	75 - 125	7	20
Thallium, Dissolved	<0.00026		0.0500	0.0518		mg/L		104	75 - 125	1	20
Lithium, Dissolved	<0.0020		0.500	0.478		mg/L		96	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-880509/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880594 — **Prep Batch: 880509**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:13	1
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/09/25 11:08	04/09/25 14:13	1

Lab Sample ID: LCS 680-880509/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880594 — **Prep Batch: 880509**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00263		mg/L		105	80 - 120
Mercury, Dissolved	0.00250	0.00263		mg/L		105	80 - 120

Lab Sample ID: 180-188701-37 MS — **Client Sample ID: SW-15**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880594 — **Prep Batch: 880509**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00105		mg/L		105	80 - 120
Mercury, Dissolved	<0.000080		0.00100	0.00105		mg/L		105	80 - 120

Lab Sample ID: 180-188701-37 MSD — **Client Sample ID: SW-15**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 880594 — **Prep Batch: 880509**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00103		mg/L		103	80 - 120	2	20
Mercury, Dissolved	<0.000080		0.00100	0.00103		mg/L		103	80 - 120	2	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 680-880769/1-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 880769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 11:20	04/14/25 16:12	1

Lab Sample ID: LCS 680-880769/2-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 880769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00261		mg/L		104	80 - 120

Lab Sample ID: 180-188701-7 MS
Matrix: Water
Analysis Batch: 880825

Client Sample ID: SW-2
Prep Type: Total/NA
Prep Batch: 880769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00102		mg/L		102	80 - 120

Lab Sample ID: 180-188701-7 MSD
Matrix: Water
Analysis Batch: 880825

Client Sample ID: SW-2
Prep Type: Total/NA
Prep Batch: 880769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00100		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 680-880781/1-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 880781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:01	04/14/25 17:08	1

Lab Sample ID: LCS 680-880781/2-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 880781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00250	0.00278		mg/L		111	80 - 120

Lab Sample ID: MB 680-880783/1-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 880783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:14	1
Mercury, Dissolved	<0.000080		0.00020	0.000080	mg/L		04/14/25 13:03	04/14/25 18:14	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-880783/2-A
Matrix: Water
Analysis Batch: 880825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 880783

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00259		mg/L		104	80 - 120		
Mercury, Dissolved			0.00250	0.00259		mg/L		104	80 - 120		

Lab Sample ID: 180-188701-30 MS
Matrix: Water
Analysis Batch: 880825

Client Sample ID: SW-11
Prep Type: Dissolved
Prep Batch: 880781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury, Dissolved	<0.000080		0.00100	0.00110		mg/L		110	80 - 120		

Lab Sample ID: 180-188701-30 MSD
Matrix: Water
Analysis Batch: 880825

Client Sample ID: SW-11
Prep Type: Dissolved
Prep Batch: 880781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	<0.000080		0.00100	0.00104		mg/L		104	80 - 120	6	20

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-880432/1
Matrix: Water
Analysis Batch: 880432

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			04/08/25 10:38	1

Lab Sample ID: LCS 680-880432/2
Matrix: Water
Analysis Batch: 880432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2550		mg/L		104	80 - 120		

Lab Sample ID: LCSD 680-880432/3
Matrix: Water
Analysis Batch: 880432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2480		mg/L		102	80 - 120	3	25

Lab Sample ID: 180-188701-11 DU
Matrix: Water
Analysis Batch: 880432

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	190		202	F3	mg/L		7	5

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-493342/1
Matrix: Water
Analysis Batch: 493342

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/25 10:46	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/07/25 10:46	1

Lab Sample ID: LCS 180-493342/2
Matrix: Water
Analysis Batch: 493342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	400		mg/L		95	85 - 115
Total Dissolved Solids Field Filtered	420	400		mg/L		95	85 - 115

Lab Sample ID: 180-188701-49 DU
Matrix: Water
Analysis Batch: 493342

Client Sample ID: FB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: 180-188701-52 DU
Matrix: Water
Analysis Batch: 493342

Client Sample ID: EB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-493374/1
Matrix: Water
Analysis Batch: 493374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/25 12:42	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/07/25 12:42	1

Lab Sample ID: LCS 180-493374/2
Matrix: Water
Analysis Batch: 493374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	426		mg/L		101	85 - 115
Total Dissolved Solids Field Filtered	420	426		mg/L		101	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 180-188701-50 DU
Client Sample ID: EB-01
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 493374

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: 180-188701-51 DU
Client Sample ID: FB-02
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 493374

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10
Total Dissolved Solids Field Filtered	<10		<10		mg/L		NC	10

Lab Sample ID: MB 180-493382/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 493382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/25 13:07	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/07/25 13:07	1

Lab Sample ID: LCS 180-493382/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 493382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	408		mg/L		97	85 - 115
Total Dissolved Solids Field Filtered	420	408		mg/L		97	85 - 115

Lab Sample ID: 180-188701-21 DU
Client Sample ID: SW-6
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 493382

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	160		155		mg/L		0.6	10
Total Dissolved Solids Field Filtered	160		155		mg/L		0.6	10

HPLC/IC

Leach Batch: 492278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-492278/1-A	Method Blank	Total/NA	Water	1312	

Analysis Batch: 493290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-9	SW-3	Total/NA	Water	300.0	
180-188701-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-188701-13	SW-4	Total/NA	Water	300.0	
180-188701-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-188701-15	SW-5	Total/NA	Water	300.0	
180-188701-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-188701-17	SW-5	Total/NA	Water	300.0	
180-188701-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-188701-19	SW-6	Total/NA	Water	300.0	
180-188701-20	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-188701-21	SW-6	Total/NA	Water	300.0	
180-188701-30	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-188701-31	SW-12	Total/NA	Water	300.0	
180-188701-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-188701-33	SW-13	Total/NA	Water	300.0	
180-188701-34	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-188701-35	SW-14	Total/NA	Water	300.0	
180-188701-36	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-188701-39	SW-16	Total/NA	Water	300.0	
180-188701-40	SW-16	Dissolved	Water	EPA 300.0 R2.1	
180-188701-41	SW-17	Total/NA	Water	300.0	
180-188701-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-188701-43	DUP-01	Total/NA	Water	300.0	
180-188701-44	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-188701-45	DUP-02	Total/NA	Water	300.0	
180-188701-46	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
180-188701-49	FB-01	Total/NA	Water	300.0	
180-188701-50	EB-01	Total/NA	Water	300.0	
MB 180-493290/37	Method Blank	Total/NA	Water	300.0	
MB 180-493290/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493290/38	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493290/7	Lab Control Sample	Total/NA	Water	300.0	
180-188701-9 MS	SW-3	Total/NA	Water	300.0	
180-188701-9 MSD	SW-3	Total/NA	Water	300.0	
180-188701-21 MS	SW-6	Total/NA	Water	300.0	
180-188701-21 MSD	SW-6	Total/NA	Water	300.0	
180-188701-30 MS	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-188701-30 MSD	SW-11	Dissolved	Water	EPA 300.0 R2.1	

Analysis Batch: 493291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-22	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-188701-23	SW-9	Total/NA	Water	300.0	
180-188701-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-188701-25	SW-9	Total/NA	Water	300.0	
180-188701-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-188701-27	SW-10	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 493291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-188701-29	SW-11	Total/NA	Water	300.0	
LB 180-492278/1-A	Method Blank	Total/NA	Water	300.0	492278
MB 180-493291/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493291/7	Lab Control Sample	Total/NA	Water	300.0	

Leach Batch: 493431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-493431/1-A	Method Blank	Total/NA	Water	1312	

Analysis Batch: 493438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	300.0	
180-188701-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-188701-3	SW-1	Total/NA	Water	300.0	
180-188701-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-188701-5	SW-2	Total/NA	Water	300.0	
180-188701-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-188701-7	SW-2	Total/NA	Water	300.0	
180-188701-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-188701-47	DUP-03	Total/NA	Water	300.0	
180-188701-48	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-188701-51	FB-02	Total/NA	Water	300.0	
180-188701-52	EB-02	Total/NA	Water	300.0	
MB 180-493438/43	Method Blank	Total/NA	Water	300.0	
MB 180-493438/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493438/44	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493438/7	Lab Control Sample	Total/NA	Water	300.0	
180-188701-8 MS	SW-2	Dissolved	Water	300.0	
180-188701-8 MSD	SW-2	Dissolved	Water	300.0	

Analysis Batch: 493527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-188701-3	SW-1	Total/NA	Water	300.0	
180-188701-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-188701-5	SW-2	Total/NA	Water	300.0	
180-188701-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-188701-7	SW-2	Total/NA	Water	300.0	
180-188701-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-188701-41	SW-17	Total/NA	Water	300.0	
180-188701-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-188701-47	DUP-03	Total/NA	Water	300.0	
180-188701-48	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-188701-51	FB-02	Total/NA	Water	300.0	
180-188701-52	EB-02	Total/NA	Water	300.0	
MB 180-493527/26	Method Blank	Total/NA	Water	300.0	
MB 180-493527/55	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-493527/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-493527/56	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-188701-8 MS	SW-2	Dissolved	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 493527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-8 MSD	SW-2	Dissolved	Water	300.0	

Analysis Batch: 493732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	300.0	
180-188701-11	SW-3	Total/NA	Water	300.0	
180-188701-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-188701-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-188701-37	SW-15	Total/NA	Water	300.0	
180-188701-38	SW-15	Dissolved	Water	EPA 300.0 R2.1	
LB 180-493431/1-A	Method Blank	Total/NA	Water	300.0	493431
MB 180-493732/6	Method Blank	Total/NA	Water	300.0	
LCS 180-493732/7	Lab Control Sample	Total/NA	Water	300.0	
180-188701-11 MS	SW-3	Total/NA	Water	300.0	
180-188701-11 MSD	SW-3	Total/NA	Water	300.0	

Metals

Prep Batch: 880473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total Recoverable	Water	3005A	
180-188701-37	SW-15	Total Recoverable	Water	3005A	
MB 680-880473/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880473/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188701-11 MS	SW-3	Total Recoverable	Water	3005A	
180-188701-11 MSD	SW-3	Total Recoverable	Water	3005A	

Prep Batch: 880474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-12	SW-3	Dissolved	Water	3005A	
180-188701-38	SW-15	Dissolved	Water	3005A	
MB 680-880474/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880474/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188701-12 MS	SW-3	Dissolved	Water	3005A	
180-188701-12 MSD	SW-3	Dissolved	Water	3005A	

Prep Batch: 880509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	7470A	
180-188701-12	SW-3	Dissolved	Water	7470A	
180-188701-37	SW-15	Total/NA	Water	7470A	
180-188701-38	SW-15	Dissolved	Water	7470A	
MB 680-880509/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880509/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-188701-37 MS	SW-15	Total/NA	Water	7470A	
180-188701-37 MSD	SW-15	Total/NA	Water	7470A	

Analysis Batch: 880516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total Recoverable	Water	6020B	880473
180-188701-12	SW-3	Dissolved	Water	6020B	880474

Metals (Continued)

Analysis Batch: 880516 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-37	SW-15	Total Recoverable	Water	6020B	880473
180-188701-38	SW-15	Dissolved	Water	6020B	880474
MB 680-880473/1-A	Method Blank	Total Recoverable	Water	6020B	880473
MB 680-880474/1-A	Method Blank	Total Recoverable	Water	6020B	880474
LCS 680-880473/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880473
LCS 680-880474/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880474
180-188701-11 MS	SW-3	Total Recoverable	Water	6020B	880473
180-188701-11 MSD	SW-3	Total Recoverable	Water	6020B	880473
180-188701-12 MS	SW-3	Dissolved	Water	6020B	880474
180-188701-12 MSD	SW-3	Dissolved	Water	6020B	880474

Analysis Batch: 880524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total Recoverable	Water	6020B	880473
180-188701-12	SW-3	Dissolved	Water	6020B	880474
180-188701-37	SW-15	Total Recoverable	Water	6020B	880473
180-188701-38	SW-15	Dissolved	Water	6020B	880474
MB 680-880473/1-A	Method Blank	Total Recoverable	Water	6020B	880473
MB 680-880474/1-A	Method Blank	Total Recoverable	Water	6020B	880474
LCS 680-880473/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880473
LCS 680-880474/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880474
180-188701-11 MS	SW-3	Total Recoverable	Water	6020B	880473
180-188701-11 MSD	SW-3	Total Recoverable	Water	6020B	880473
180-188701-12 MS	SW-3	Dissolved	Water	6020B	880474
180-188701-12 MSD	SW-3	Dissolved	Water	6020B	880474

Analysis Batch: 880594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	7470A	880509
180-188701-12	SW-3	Dissolved	Water	7470A	880509
180-188701-37	SW-15	Total/NA	Water	7470A	880509
180-188701-38	SW-15	Dissolved	Water	7470A	880509
MB 680-880509/1-A	Method Blank	Total/NA	Water	7470A	880509
LCS 680-880509/2-A	Lab Control Sample	Total/NA	Water	7470A	880509
180-188701-37 MS	SW-15	Total/NA	Water	7470A	880509
180-188701-37 MSD	SW-15	Total/NA	Water	7470A	880509

Prep Batch: 880726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total Recoverable	Water	3005A	
180-188701-3	SW-1	Total Recoverable	Water	3005A	
180-188701-5	SW-2	Total Recoverable	Water	3005A	
180-188701-7	SW-2	Total Recoverable	Water	3005A	
180-188701-9	SW-3	Total Recoverable	Water	3005A	
180-188701-13	SW-4	Total Recoverable	Water	3005A	
180-188701-15	SW-5	Total Recoverable	Water	3005A	
180-188701-17	SW-5	Total Recoverable	Water	3005A	
180-188701-19	SW-6	Total Recoverable	Water	3005A	
180-188701-21	SW-6	Total Recoverable	Water	3005A	
180-188701-23	SW-9	Total Recoverable	Water	3005A	
180-188701-25	SW-9	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 880726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-27	SW-10	Total Recoverable	Water	3005A	
180-188701-29	SW-11	Total Recoverable	Water	3005A	
180-188701-31	SW-12	Total Recoverable	Water	3005A	
180-188701-33	SW-13	Total Recoverable	Water	3005A	
180-188701-35	SW-14	Total Recoverable	Water	3005A	
180-188701-39	SW-16	Total Recoverable	Water	3005A	
MB 680-880726/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880726/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-41	SW-17	Total Recoverable	Water	3005A	
180-188701-43	DUP-01	Total Recoverable	Water	3005A	
180-188701-45	DUP-02	Total Recoverable	Water	3005A	
180-188701-47	DUP-03	Total Recoverable	Water	3005A	
180-188701-49	FB-01	Total Recoverable	Water	3005A	
180-188701-50	EB-01	Total Recoverable	Water	3005A	
180-188701-51	FB-02	Total Recoverable	Water	3005A	
180-188701-52	EB-02	Total Recoverable	Water	3005A	
MB 680-880728/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880728/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188701-41 MS	SW-17	Total Recoverable	Water	3005A	
180-188701-41 MSD	SW-17	Total Recoverable	Water	3005A	

Prep Batch: 880729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	3005A	
180-188701-4	SW-1	Dissolved	Water	3005A	
180-188701-6	SW-2	Dissolved	Water	3005A	
180-188701-8	SW-2	Dissolved	Water	3005A	
180-188701-10	SW-3	Dissolved	Water	3005A	
180-188701-14	SW-4	Dissolved	Water	3005A	
MB 680-880729/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880729/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 880731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-16	SW-5	Dissolved	Water	3005A	
180-188701-18	SW-5	Dissolved	Water	3005A	
180-188701-20	SW-6	Dissolved	Water	3005A	
180-188701-22	SW-6	Dissolved	Water	3005A	
180-188701-24	SW-9	Dissolved	Water	3005A	
180-188701-26	SW-9	Dissolved	Water	3005A	
180-188701-28	SW-10	Dissolved	Water	3005A	
180-188701-30	SW-11	Dissolved	Water	3005A	
180-188701-32	SW-12	Dissolved	Water	3005A	
180-188701-34	SW-13	Dissolved	Water	3005A	
180-188701-36	SW-14	Dissolved	Water	3005A	
180-188701-40	SW-16	Dissolved	Water	3005A	
180-188701-42	SW-17	Dissolved	Water	3005A	
180-188701-44	DUP-01	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 880731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-46	DUP-02	Dissolved	Water	3005A	
180-188701-48	DUP-03	Dissolved	Water	3005A	
MB 680-880731/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880731/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-188701-16 MS	SW-5	Dissolved	Water	3005A	
180-188701-16 MSD	SW-5	Dissolved	Water	3005A	

Prep Batch: 880769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	7470A	
180-188701-3	SW-1	Total/NA	Water	7470A	
180-188701-5	SW-2	Total/NA	Water	7470A	
180-188701-7	SW-2	Total/NA	Water	7470A	
180-188701-13	SW-4	Total/NA	Water	7470A	
180-188701-15	SW-5	Total/NA	Water	7470A	
180-188701-17	SW-5	Total/NA	Water	7470A	
180-188701-19	SW-6	Total/NA	Water	7470A	
180-188701-21	SW-6	Total/NA	Water	7470A	
180-188701-23	SW-9	Total/NA	Water	7470A	
180-188701-25	SW-9	Total/NA	Water	7470A	
180-188701-27	SW-10	Total/NA	Water	7470A	
180-188701-29	SW-11	Total/NA	Water	7470A	
180-188701-35	SW-14	Total/NA	Water	7470A	
180-188701-47	DUP-03	Total/NA	Water	7470A	
MB 680-880769/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880769/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-188701-7 MS	SW-2	Total/NA	Water	7470A	
180-188701-7 MSD	SW-2	Total/NA	Water	7470A	

Prep Batch: 880781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	7470A	
180-188701-4	SW-1	Dissolved	Water	7470A	
180-188701-6	SW-2	Dissolved	Water	7470A	
180-188701-8	SW-2	Dissolved	Water	7470A	
180-188701-10	SW-3	Dissolved	Water	7470A	
180-188701-14	SW-4	Dissolved	Water	7470A	
180-188701-18	SW-5	Dissolved	Water	7470A	
180-188701-20	SW-6	Dissolved	Water	7470A	
180-188701-24	SW-9	Dissolved	Water	7470A	
180-188701-26	SW-9	Dissolved	Water	7470A	
180-188701-28	SW-10	Dissolved	Water	7470A	
180-188701-30	SW-11	Dissolved	Water	7470A	
180-188701-32	SW-12	Dissolved	Water	7470A	
180-188701-34	SW-13	Dissolved	Water	7470A	
180-188701-36	SW-14	Dissolved	Water	7470A	
180-188701-40	SW-16	Dissolved	Water	7470A	
180-188701-42	SW-17	Dissolved	Water	7470A	
180-188701-44	DUP-01	Dissolved	Water	7470A	
180-188701-46	DUP-02	Dissolved	Water	7470A	
180-188701-48	DUP-03	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 880781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-880781/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880781/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-188701-30 MS	SW-11	Dissolved	Water	7470A	
180-188701-30 MSD	SW-11	Dissolved	Water	7470A	

Prep Batch: 880783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-9	SW-3	Total/NA	Water	7470A	
180-188701-16	SW-5	Dissolved	Water	7470A	
180-188701-22	SW-6	Dissolved	Water	7470A	
180-188701-31	SW-12	Total/NA	Water	7470A	
180-188701-33	SW-13	Total/NA	Water	7470A	
180-188701-39	SW-16	Total/NA	Water	7470A	
180-188701-41	SW-17	Total/NA	Water	7470A	
180-188701-43	DUP-01	Total/NA	Water	7470A	
180-188701-45	DUP-02	Total/NA	Water	7470A	
180-188701-49	FB-01	Total/NA	Water	7470A	
180-188701-50	EB-01	Total/NA	Water	7470A	
180-188701-51	FB-02	Total/NA	Water	7470A	
180-188701-52	EB-02	Total/NA	Water	7470A	
MB 680-880783/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-880783/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 880825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	7470A	880769
180-188701-2	SW-1	Dissolved	Water	7470A	880781
180-188701-3	SW-1	Total/NA	Water	7470A	880769
180-188701-4	SW-1	Dissolved	Water	7470A	880781
180-188701-5	SW-2	Total/NA	Water	7470A	880769
180-188701-6	SW-2	Dissolved	Water	7470A	880781
180-188701-7	SW-2	Total/NA	Water	7470A	880769
180-188701-8	SW-2	Dissolved	Water	7470A	880781
180-188701-9	SW-3	Total/NA	Water	7470A	880783
180-188701-10	SW-3	Dissolved	Water	7470A	880781
180-188701-13	SW-4	Total/NA	Water	7470A	880769
180-188701-14	SW-4	Dissolved	Water	7470A	880781
180-188701-15	SW-5	Total/NA	Water	7470A	880769
180-188701-16	SW-5	Dissolved	Water	7470A	880783
180-188701-17	SW-5	Total/NA	Water	7470A	880769
180-188701-18	SW-5	Dissolved	Water	7470A	880781
180-188701-19	SW-6	Total/NA	Water	7470A	880769
180-188701-20	SW-6	Dissolved	Water	7470A	880781
180-188701-21	SW-6	Total/NA	Water	7470A	880769
180-188701-22	SW-6	Dissolved	Water	7470A	880783
180-188701-23	SW-9	Total/NA	Water	7470A	880769
180-188701-24	SW-9	Dissolved	Water	7470A	880781
180-188701-25	SW-9	Total/NA	Water	7470A	880769
180-188701-26	SW-9	Dissolved	Water	7470A	880781
180-188701-27	SW-10	Total/NA	Water	7470A	880769
180-188701-28	SW-10	Dissolved	Water	7470A	880781

Metals (Continued)

Analysis Batch: 880825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-29	SW-11	Total/NA	Water	7470A	880769
180-188701-30	SW-11	Dissolved	Water	7470A	880781
180-188701-31	SW-12	Total/NA	Water	7470A	880783
180-188701-32	SW-12	Dissolved	Water	7470A	880781
180-188701-33	SW-13	Total/NA	Water	7470A	880783
180-188701-34	SW-13	Dissolved	Water	7470A	880781
180-188701-35	SW-14	Total/NA	Water	7470A	880769
180-188701-36	SW-14	Dissolved	Water	7470A	880781
180-188701-39	SW-16	Total/NA	Water	7470A	880783
180-188701-40	SW-16	Dissolved	Water	7470A	880781
180-188701-41	SW-17	Total/NA	Water	7470A	880783
180-188701-42	SW-17	Dissolved	Water	7470A	880781
180-188701-43	DUP-01	Total/NA	Water	7470A	880783
180-188701-44	DUP-01	Dissolved	Water	7470A	880781
180-188701-45	DUP-02	Total/NA	Water	7470A	880783
180-188701-46	DUP-02	Dissolved	Water	7470A	880781
180-188701-47	DUP-03	Total/NA	Water	7470A	880769
180-188701-48	DUP-03	Dissolved	Water	7470A	880781
180-188701-49	FB-01	Total/NA	Water	7470A	880783
180-188701-50	EB-01	Total/NA	Water	7470A	880783
180-188701-51	FB-02	Total/NA	Water	7470A	880783
180-188701-52	EB-02	Total/NA	Water	7470A	880783
MB 680-880769/1-A	Method Blank	Total/NA	Water	7470A	880769
MB 680-880781/1-A	Method Blank	Total/NA	Water	7470A	880781
MB 680-880783/1-A	Method Blank	Total/NA	Water	7470A	880783
LCS 680-880769/2-A	Lab Control Sample	Total/NA	Water	7470A	880769
LCS 680-880781/2-A	Lab Control Sample	Total/NA	Water	7470A	880781
LCS 680-880783/2-A	Lab Control Sample	Total/NA	Water	7470A	880783
180-188701-7 MS	SW-2	Total/NA	Water	7470A	880769
180-188701-7 MSD	SW-2	Total/NA	Water	7470A	880769
180-188701-30 MS	SW-11	Dissolved	Water	7470A	880781
180-188701-30 MSD	SW-11	Dissolved	Water	7470A	880781

Analysis Batch: 880866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-16	SW-5	Dissolved	Water	6020B	880731
180-188701-18	SW-5	Dissolved	Water	6020B	880731
180-188701-20	SW-6	Dissolved	Water	6020B	880731
180-188701-22	SW-6	Dissolved	Water	6020B	880731
180-188701-24	SW-9	Dissolved	Water	6020B	880731
180-188701-26	SW-9	Dissolved	Water	6020B	880731
180-188701-28	SW-10	Dissolved	Water	6020B	880731
180-188701-30	SW-11	Dissolved	Water	6020B	880731
180-188701-32	SW-12	Dissolved	Water	6020B	880731
180-188701-34	SW-13	Dissolved	Water	6020B	880731
180-188701-36	SW-14	Dissolved	Water	6020B	880731
180-188701-40	SW-16	Dissolved	Water	6020B	880731
180-188701-42	SW-17	Dissolved	Water	6020B	880731
180-188701-44	DUP-01	Dissolved	Water	6020B	880731
180-188701-46	DUP-02	Dissolved	Water	6020B	880731
180-188701-48	DUP-03	Dissolved	Water	6020B	880731

Metals (Continued)

Analysis Batch: 880866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-880731/1-A	Method Blank	Total Recoverable	Water	6020B	880731
LCS 680-880731/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880731
180-188701-16 MS	SW-5	Dissolved	Water	6020B	880731
180-188701-16 MSD	SW-5	Dissolved	Water	6020B	880731

Analysis Batch: 880902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total Recoverable	Water	6020B	880726
180-188701-2	SW-1	Dissolved	Water	6020B	880729
180-188701-3	SW-1	Total Recoverable	Water	6020B	880726
180-188701-4	SW-1	Dissolved	Water	6020B	880729
180-188701-5	SW-2	Total Recoverable	Water	6020B	880726
180-188701-6	SW-2	Dissolved	Water	6020B	880729
180-188701-7	SW-2	Total Recoverable	Water	6020B	880726
180-188701-8	SW-2	Dissolved	Water	6020B	880729
180-188701-9	SW-3	Total Recoverable	Water	6020B	880726
180-188701-10	SW-3	Dissolved	Water	6020B	880729
180-188701-13	SW-4	Total Recoverable	Water	6020B	880726
180-188701-14	SW-4	Dissolved	Water	6020B	880729
180-188701-15	SW-5	Total Recoverable	Water	6020B	880726
180-188701-17	SW-5	Total Recoverable	Water	6020B	880726
180-188701-19	SW-6	Total Recoverable	Water	6020B	880726
180-188701-21	SW-6	Total Recoverable	Water	6020B	880726
180-188701-23	SW-9	Total Recoverable	Water	6020B	880726
180-188701-25	SW-9	Total Recoverable	Water	6020B	880726
180-188701-27	SW-10	Total Recoverable	Water	6020B	880726
180-188701-29	SW-11	Total Recoverable	Water	6020B	880726
180-188701-31	SW-12	Total Recoverable	Water	6020B	880726
180-188701-33	SW-13	Total Recoverable	Water	6020B	880726
180-188701-35	SW-14	Total Recoverable	Water	6020B	880726
180-188701-39	SW-16	Total Recoverable	Water	6020B	880726
180-188701-41	SW-17	Total Recoverable	Water	6020B	880728
180-188701-43	DUP-01	Total Recoverable	Water	6020B	880728
180-188701-45	DUP-02	Total Recoverable	Water	6020B	880728
180-188701-47	DUP-03	Total Recoverable	Water	6020B	880728
180-188701-49	FB-01	Total Recoverable	Water	6020B	880728
180-188701-50	EB-01	Total Recoverable	Water	6020B	880728
180-188701-51	FB-02	Total Recoverable	Water	6020B	880728
180-188701-52	EB-02	Total Recoverable	Water	6020B	880728
MB 680-880726/1-A	Method Blank	Total Recoverable	Water	6020B	880726
MB 680-880728/1-A	Method Blank	Total Recoverable	Water	6020B	880728
MB 680-880729/1-A	Method Blank	Total Recoverable	Water	6020B	880729
LCS 680-880726/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880726
LCS 680-880728/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880728
LCS 680-880729/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880729
180-188701-41 MS	SW-17	Total Recoverable	Water	6020B	880728
180-188701-41 MSD	SW-17	Total Recoverable	Water	6020B	880728

General Chemistry

Analysis Batch: 493342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	SM 2540C	
180-188701-3	SW-1	Total/NA	Water	SM 2540C	
180-188701-5	SW-2	Total/NA	Water	SM 2540C	
180-188701-9	SW-3	Total/NA	Water	SM 2540C	
180-188701-10	SW-3	Dissolved	Water	SM 2540C	
180-188701-13	SW-4	Total/NA	Water	SM 2540C	
180-188701-15	SW-5	Total/NA	Water	SM 2540C	
180-188701-16	SW-5	Dissolved	Water	SM 2540C	
180-188701-17	SW-5	Total/NA	Water	SM 2540C	
180-188701-18	SW-5	Dissolved	Water	SM 2540C	
180-188701-19	SW-6	Total/NA	Water	SM 2540C	
180-188701-20	SW-6	Dissolved	Water	SM 2540C	
180-188701-28	SW-10	Dissolved	Water	SM 2540C	
180-188701-34	SW-13	Dissolved	Water	SM 2540C	
180-188701-39	SW-16	Total/NA	Water	SM 2540C	
180-188701-40	SW-16	Dissolved	Water	SM 2540C	
180-188701-41	SW-17	Total/NA	Water	SM 2540C	
180-188701-42	SW-17	Dissolved	Water	SM 2540C	
180-188701-49	FB-01	Total/NA	Water	SM 2540C	
180-188701-52	EB-02	Total/NA	Water	SM 2540C	
MB 180-493342/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493342/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188701-49 DU	FB-01	Total/NA	Water	SM 2540C	
180-188701-52 DU	EB-02	Total/NA	Water	SM 2540C	

Analysis Batch: 493374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	SM 2540C	
180-188701-4	SW-1	Dissolved	Water	SM 2540C	
180-188701-6	SW-2	Dissolved	Water	SM 2540C	
180-188701-8	SW-2	Dissolved	Water	SM 2540C	
180-188701-14	SW-4	Dissolved	Water	SM 2540C	
180-188701-22	SW-6	Dissolved	Water	SM 2540C	
180-188701-23	SW-9	Total/NA	Water	SM 2540C	
180-188701-25	SW-9	Total/NA	Water	SM 2540C	
180-188701-26	SW-9	Dissolved	Water	SM 2540C	
180-188701-29	SW-11	Total/NA	Water	SM 2540C	
180-188701-30	SW-11	Dissolved	Water	SM 2540C	
180-188701-31	SW-12	Total/NA	Water	SM 2540C	
180-188701-32	SW-12	Dissolved	Water	SM 2540C	
180-188701-35	SW-14	Total/NA	Water	SM 2540C	
180-188701-36	SW-14	Dissolved	Water	SM 2540C	
180-188701-45	DUP-02	Total/NA	Water	SM 2540C	
180-188701-46	DUP-02	Dissolved	Water	SM 2540C	
180-188701-47	DUP-03	Total/NA	Water	SM 2540C	
180-188701-50	EB-01	Total/NA	Water	SM 2540C	
180-188701-51	FB-02	Total/NA	Water	SM 2540C	
MB 180-493374/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493374/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188701-50 DU	EB-01	Total/NA	Water	SM 2540C	
180-188701-51 DU	FB-02	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Southern Company
Job ID: 180-188701-1
Project/Site: Plant Watson Ash Pond Surfacewater

General Chemistry

Analysis Batch: 493382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-7	SW-2	Total/NA	Water	SM 2540C	
180-188701-21	SW-6	Total/NA	Water	SM 2540C	
180-188701-24	SW-9	Dissolved	Water	SM 2540C	
180-188701-27	SW-10	Total/NA	Water	SM 2540C	
180-188701-33	SW-13	Total/NA	Water	SM 2540C	
180-188701-43	DUP-01	Total/NA	Water	SM 2540C	
180-188701-44	DUP-01	Dissolved	Water	SM 2540C	
180-188701-48	DUP-03	Dissolved	Water	SM 2540C	
MB 180-493382/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-493382/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-188701-21 DU	SW-6	Total/NA	Water	SM 2540C	

Analysis Batch: 880432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	2540C-2011	
180-188701-12	SW-3	Dissolved	Water	2540C-2011	
180-188701-37	SW-15	Total/NA	Water	2540C-2011	
180-188701-38	SW-15	Dissolved	Water	2540C-2011	
MB 680-880432/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-880432/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-880432/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
180-188701-11 DU	SW-3	Total/NA	Water	2540C-2011	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	4-2-25	1128	G	water	NO		X	X	X	X						5	Depth-1'
SW-1	4-2-25	1138	G	water	YES						X	X	X	X		5	Depth-1'
SW-1	4-2-25	1147	G	water	NO		X	X	X	X						5	Depth-7'
SW-1	4-2-25	1155	G	water	YES						X	X	X	X		5	Depth-7'
SW-2	4-2-25	1025	G	water	NO		X	X	X	X						5	Depth-1'
SW-2	4-2-25	1038	G	water	YES						X	X	X	X		5	Depth-1'
SW-2	4-2-25	1102	G	water	NO		X	X	X	X						5	Depth-7'
SW-2	4-2-25	1110	G	water	YES						X	X	X	X		5	Depth-7'
SW-3	4-1-25	1335	G	water	NO		X	X	X	X						5	Depth-1'
SW-3	4-1-25	1345	G	water	YES						X	X	X	X		5	Depth-1'
SW-3	4-1-25	1416	G	water	NO		X	X	X	X						5	Depth-4'

180-188701 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-25 1259	SCS ENV.		4/4/25 0915	EUFINET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / TODD VIDETO	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 5
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205.992.6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	4-1-25	1426	G	water	Yes						X	X	X	X		5	depth-4'
SW-4	4-1-25	0847	G	water	No		X	X	X	X						5	depth-1.5"
SW-4	4-1-25	0854	G	water	Yes						X	X	X	X		5	Depth-1.5"
SW-5	4-1-25	0801	G	water	No		X	X	X	X						5	Depth-1'
SW-5	4-1-25	0809	G	water	Yes						X	X	X	X		5	Depth-1'
SW-5	4-1-25	0826	G	water	No		X	X	X	X						5	Depth-13'
SW-5	4-1-25	0834	G	water	Yes						X	X	X	X		5	Depth-13'
SW-6	4-1-25	0931 0939 RPH 4-2-25	G	water	No		X	X	X	X						5	Depth-1'
SW-6	4-1-25	0939	G	water	Yes						X	X	X	X		5	Depth-1'
SW-6	4-1-25	0946	G	water	No		X	X	X	X						5	Depth 9'.5"
SW-6	4-1-25	0954	G	water	Yes						X	X	X	X		5	Depth 9'.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-25 1259	FDH ENV.		4/4/25 0915	EPI TMS
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / Todd Wurts	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-9	4-1-25	1021	G	water	No		X	X	X	X						5	Depth-1'
SW-9	4-1-25	1024	G	water	Yes						X	X	X	X		5	Depth-1'
SW-9	4-1-25	1041	G	water	No		X	X	X	X						5	Depth-4'
SW-9	4-1-25	1049	G	water	Yes						X	X	X	X		5	Depth-4'
SW-10	4-1-25	1109	G	water	No		X	X	X	X						5	Depth-2'
SW-10	4-1-25	1117	G	water	Yes						X	X	X	X		5	Depth-2'
SW-11	4-1-25	1152	G	water	No		X	X	X	X						5	Depth-1'
SW-11	4-1-25	1200	G	water	Yes						X	X	X	X		5	Depth-1'
SW-12	4-1-25	1222	G	water	No		X	X	X	X						5	Depth-1'
SW-12	4-1-25	1230	G	water	Yes						X	X	X	X		5	Depth-1'
SW-13	4-1-25	0957	G	water	No		X	X	X	X						5	Depth-1'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-25 1259	EMH		4/4/25 0915	BVI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krismann / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 4 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-13	4-1-25	1005	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-14	4-1-25	1036	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-14	4-1-25	1044	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-15	4-1-25	1119	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-15	4-1-25	1127	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-16	4-1-25	1202	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-16	4-1-25	1210	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-17	4-1-25	1239	G	water	NO		X	X	X	X						5	Depth-1'
SW-17	4-1-25	1249	G	water	YES						X	X	X	X		5	Depth-1'
DUP-01	4-1-25	1009	G	water	NO		X	X	X	X						5	Depth-2'
DUP-01	4-1-25	1017	G	water	YES						X	X	X	X		5	Depth-2'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-2-25 1259	EAR ENV.	[signature]	4/4/25 0915	Eurofins
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorf / Keith Krisman / Todd Rivers	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined			****Dissolved Samples are Field Filtered****			Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Dup-02	4-1-25	0747	G	water	No		X	X	X	X										5	Depth - 1'.5"
Dup-02	4-1-25	0754	G	water	Yes						X	X	X	X						5	Depth - 1'.5"
Dup-03	4-2-25	0925	G	water	No		X	X	X	X										5	Depth-1'
Dup-03	4-2-25	0938	G	water	Yes						X	X	X	X						5	Depth-1'
FB-01	4-1-25	0706	G	water	No		X	X	X	X										5	
EB-01	4-1-25	0714	G	water	No		X	X	X	X										5	
FB-02	4-2-25	0945	G	water	No		X	X	X	X										5	
EB-02	4-2-25	0948	G	water	No		X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by.	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4-2-25 1259	Company: LAH ENV	Received by:	Date/Time: 4/4/25 0915	Company: EFTTMO
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.9 °C
Thermometer ID 24
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

4 of 13
MPS# 0263 2871 3808 2195
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435D-ASSIGNED 10/25

180-188701 Waybill

Page 118 of 133

4/18/2025

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 24
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 13
MPS# 0263 2871 3808 2173
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435D-ASSIGNED 10/25

Do not lift using this tag.

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 4.6 °C
Thermometer ID 24
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

FedEx Express

12 of 13
MPS# 0263 2871 3808 2276
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435 RRD BIP 10/25

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 3.3 °C
Thermometer ID 25
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

FedEx Express

6 of 13
MPS# 0263 2871 3808 2210
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435 RRD BIP 10/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-1039/1660 REV 10/25

Jncorrected temp 4.4 °C
Thermometer ID 25
CF -0.4 Initials

FedEx Express

10 of 13
MPS# 0263 2871 3808 2254
Mstr# 2871 3808 2162 0201
XS AGCA

THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-1039/1660 REV 10/25

Thermometer ID 2.6 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

5 of 13
MPS# 0263 2871 3808 2200
Mstr# 2871 3808 2162 0201
XS AGCA

PRIORITY OVERNIGHT
15238
PA-US

4150 IRI 04/04 08:21
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
230062
2907-01 G

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156237-A999-RAYMD2 10/25

Uncorrected temp 1.4 25 °C
Thermometer ID 28
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J251024121701UV

11 of 13
MPS# 0263 2871 3808 2265
Mstr# 2871 3808 2162
0201
XS AGCA
15238
PA-US PIT

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156237-A999-RAYMD2 10/25

Uncorrected temp 1.4 25 °C
Thermometer ID 1.4
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J251024121701UV

9 of 13
MPS# 0263 2871 3808 2243
Mstr# 2871 3808 2162
0201
XS AGCA
15238
PA-US PIT

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

4/18/2025

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SH DATE: 02APR25
WGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.6 °C
Thermometer ID 24
CF -0.4 Initials

FedEx Express

8 of 13
MPS# 0263 2871 3808 2232
Mstr# 2871 3808 2162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 158297-4SSFE Rev Date 10/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.8 °C
Thermometer ID 24
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

7 of 13
MPS# 0263 2871 3808 2221
Mstr# 2871 3808 2162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

XS AGCA

PA-US

Part # 158297-4SSFE Rev Date 10/25

Do Not Lift Using This Tag

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN

BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-4355-ARMSTR Rev. 10/25

PT-WI-SR-001 effective 7/26/13

Uncorrected temp 1.8 °C
Thermometer ID 24
CF -0.4
Initials MC

PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170 1uv

13 of 13
MPS# 0263 2871 3808 2287
Mstr# 2871 3808 2162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

XS AGCA

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

4150 FRI 04/04 08:20
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
PRIORITY OVERNIGHT
15238-2907-01
198-1089
ETR:31
SP:XX:100:
1002826030301000162380028713808218 4

TO
TESTAMERICA PITTSBURGH LA
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

156297-4355-ARMSTR Rev. 10/25

PT-WI-SR-001 effective 7/26/13

Uncorrected temp 0.8 °C
Thermometer ID 24
CF -0.4
Initials MC

PT-WI-SR-001 effective 7/26/13

FedEx Express

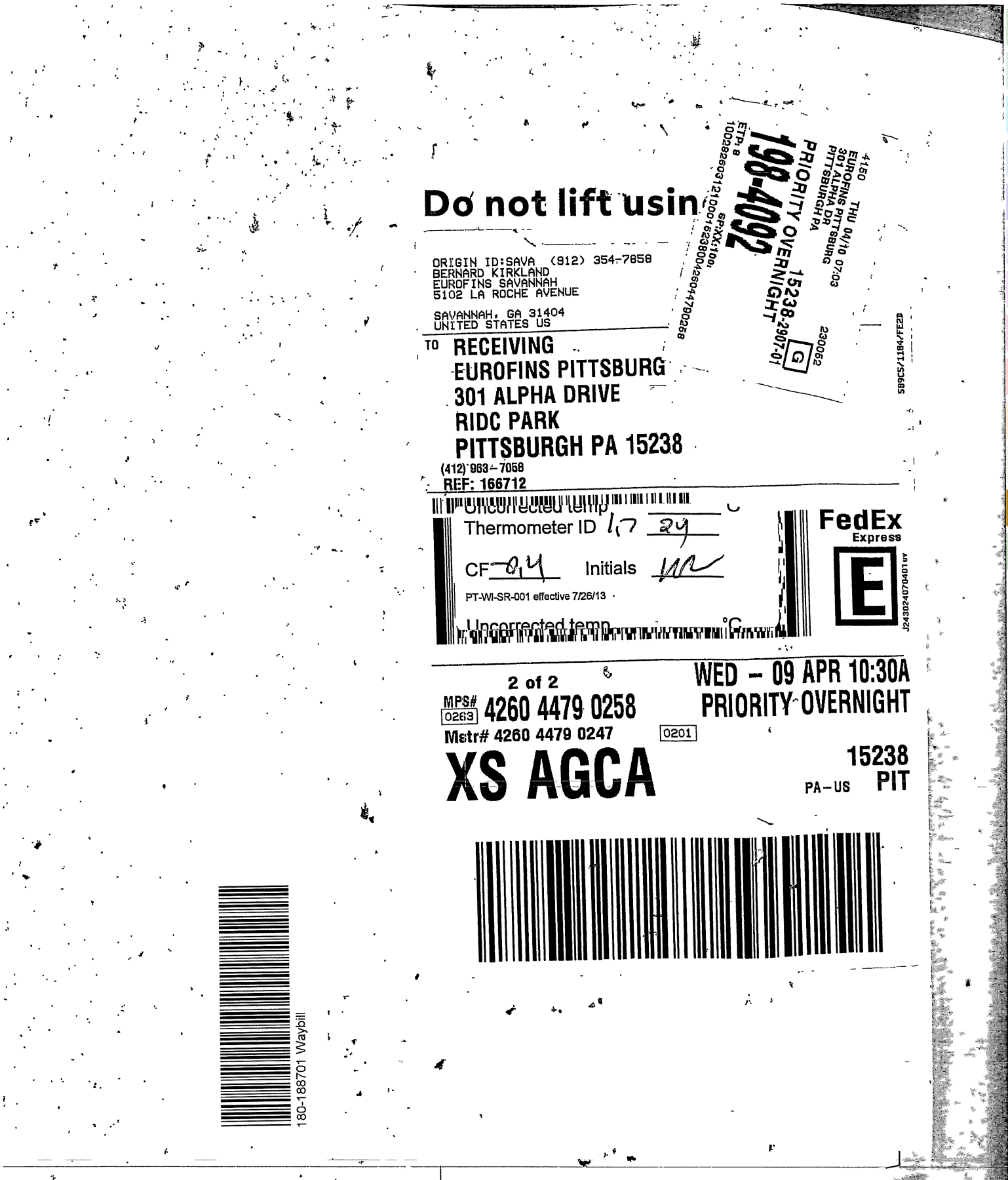
J25102412170 1uv

3 of 13
MPS# 2871 38[illegible] 184
[illegible]38 162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

15238

[illegible]CA


Do not lift usin
198-4092
PRIORITY OVERNIGHT
15238-2907-01
ORIGIN ID:SAVA (912) 354-7858
BERNARD KIRKLAND
EUROFINS SAVANNAH
5102 LA ROCHE AVENUE
SAVANNAH, GA 31404
UNITED STATES US
TO RECEIVING
EUROFINS PITTSBURG
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: 166712
Uncorrected temp
Thermometer ID
CF 0.4
Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C
FedEx
Express
2 of 2
MPS# 0263 4260 4479 0258
Mstr# 4260 4479 0247
0201
XS AGCA
WED - 09 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT
180-188701 Waybill

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/17/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-1 (180-188701-1)	4/2/25	11:28 Eastern	G	Water			X	X			2	
SW-1 (180-188701-2)	4/2/25	11:38 Eastern	G	Water					X	X	2	
SW-1 (180-188701-3)	4/2/25	11:47 Eastern	G	Water			X	X			2	
SW-1 (180-188701-4)	4/2/25	11:55 Eastern	G	Water					X	X	2	
SW-2 (180-188701-5)	4/2/25	10:25 Eastern	G	Water			X	X			2	
SW-2 (180-188701-6)	4/2/25	10:38 Eastern	G	Water					X	X	2	
SW-2 (180-188701-7)	4/2/25	11:02 Eastern	G	Water			X	X			2	
SW-2 (180-188701-8)	4/2/25	11:10 Eastern	G	Water					X	X	2	
SW-3 (180-188701-9)	4/1/25	13:35 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/7/25 1700	BTHE	[signature]	4/1/25 1300	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 19.4 / 19.4

Eurofins Pittsburgh
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Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/17/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-3 (180-188701-10)	4/1/25	13:45 Eastern	G	Water					X	X	2	
SW-4 (180-188701-13)	4/1/25	08:47 Eastern	G	Water			X	X			2	
SW-4 (180-188701-14)	4/1/25	08:54 Eastern	G	Water					X	X	2	
SW-5 (180-188701-15)	4/1/25	08:01 Eastern	G	Water			X	X			2	
SW-5 (180-188701-16)	4/1/25	08:09 Eastern	G	Water					X	X	2	
SW-5 (180-188701-17)	4/1/25	08:26 Eastern	G	Water			X	X			2	
SW-5 (180-188701-18)	4/1/25	08:34 Eastern	G	Water					X	X	2	
SW-6 (180-188701-19)	4/1/25	09:31 Eastern	G	Water			X	X			2	
SW-6 (180-188701-20)	4/1/25	09:39 Eastern	G	Water					X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/11/25 1700	DTHG		4/11/25 1300	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 19.4 / 19.4

Eurofins Pittsburgh
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Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/17/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-6 (180-188701-21)	4/1/25	09:46 Eastern	G	Water			X	X			2	
SW-6 (180-188701-22)	4/1/25	09:54 Eastern	G	Water					X	X	2	
SW-9 (180-188701-23)	4/1/25	10:21 Eastern	G	Water			X	X			2	
SW-9 (180-188701-24)	4/1/25	10:29 Eastern	G	Water					X	X	2	
SW-9 (180-188701-25)	4/1/25	10:41 Eastern	G	Water			X	X			2	
SW-9 (180-188701-26)	4/1/25	10:49 Eastern	G	Water					X	X	2	
SW-10 (180-188701-27)	4/1/25	11:09 Eastern	G	Water			X	X			2	
SW-10 (180-188701-28)	4/1/25	11:17 Eastern	G	Water					X	X	2	
SW-11 (180-188701-29)	4/1/25	11:52 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1700	EPHLE		4/11/25 1300	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 19.4/19.4

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/17/2025			Preservation Codes:
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-11 (180-188701-30)	4/1/25	12:00 Eastern	G	Water					X	X	2	
SW-12 (180-188701-31)	4/1/25	12:22 Eastern	G	Water			X	X			2	
SW-12 (180-188701-32)	4/1/25	12:30 Eastern	G	Water					X	X	2	
SW-13 (180-188701-33)	4/1/25	09:57 Eastern	G	Water			X	X			2	
SW-13 (180-188701-34)	4/1/25	10:05 Eastern	G	Water					X	X	2	
SW-14 (180-188701-35)	4/1/25	10:36 Eastern	G	Water			X	X			2	
SW-14 (180-188701-36)	4/1/25	10:44 Eastern	G	Water					X	X	2	
SW-16 (180-188701-39)	4/1/25	12:02 Eastern	G	Water			X	X			2	
SW-16 (180-188701-40)	4/1/25	12:10 Eastern	G	Water					X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/7/25 1700	EPITAE		4/11/25 1300	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.8 / 17.8

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 5 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/17/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-17 (180-188701-41)	4/1/25	12:39 Eastern	G	Water			X	X			2	
SW-17 (180-188701-42)	4/1/25	12:49 Eastern	G	Water					X	X	2	
DUP-01 (180-188701-43)	4/1/25	10:09 Eastern	G	Water			X	X			2	
DUP-01 (180-188701-44)	4/1/25	10:17 Eastern	G	Water					X	X	2	
DUP-02 (180-188701-45)	4/1/25	07:47 Eastern	G	Water			X	X			2	
DUP-02 (180-188701-46)	4/1/25	07:54 Eastern	G	Water					X	X	2	
DUP-03 (180-188701-47)	4/2/25	09:25 Eastern	G	Water			X	X			2	
DUP-03 (180-188701-48)	4/2/25	09:38 Eastern	G	Water					X	X	2	
FB-01 (180-188701-49)	4/1/25	07:06 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/7/25 1700	ERTSE	[signature]	4/11/25 1300	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.8/17.8

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536192.6
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 6 of 6
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-188701-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/17/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
EB-01 (180-188701-50)	4/1/25	07:14 Eastern	G	Water			X	X			2	
FB-02 (180-188701-51)	4/2/25	09:45 Eastern	G	Water			X	X			2	
EB-02 (180-188701-52)	4/2/25	09:48 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 4/7/25 1700	Company EHLS	Received by:	Date/Time: 4/11/25 1300	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.8/17.8

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-1

Login Number: 188701

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-1

Login Number: 188701
List Number: 2
Creator: Johnson, Corey M

List Source: Eurofins Savannah
List Creation: 04/08/25 10:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-1

Login Number: 188701
List Number: 4
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 04/11/25 01:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 5/19/2025 3:44:35 PM

JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-188701-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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5/19/2025 3:44:35 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

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Job Narrative
180-188701-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 0.2°C, 0.4°C, 0.4°C, 0.5°C, 1.0°C, 1.4°C, 2.0°C, 2.2°C, 2.4°C, 2.9°C, 4.0°C and 4.2°C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): EB-02 (180-188701-52). The container labels list a sample time of 0958 while the chain has 0948. Logged per the chain.

The following samples were listed on the Chain of Custody (COC); however, no sample were received: SW-3 (180-188701-11), SW-3 (180-188701-12), SW-15 (180-188701-37) and SW-15 (180-188701-38). This cooler was delay by fedex due to weather and was delivered on 4-7 to Savannah, GA (temp 15.4 degrees C) and some analyiss received 4-8 in Pittsburgh PA. The client was contacted and the lab was instructed to proceed with analysis. Rad methods do not require a cooling media.

Gas Flow Proportional Counter
Method 9315_Ra226: Radium 226 Batch 712126
The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. SW-6 (180-188701-19), SW-9 (180-188701-23), SW-11 (180-188701-29) and DUP-03 (180-188701-47)

Method 9320_Ra228: Radium-228 Prep Batch 160-712125:
The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences (discoloration noted by prep analyst): SW-1 (180-188701-1), SW-1 (180-188701-3), SW-2 (180-188701-5), SW-2 (180-188701-7), (400-271328-H-7-D) and (400-271328-H-7-E DU). Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium-228 Prep Batch 160-712125:
The laboratory control sample and/or laboratory control sample duplicate (LCS/LCSD) associated with the following samples recovered at 128%: (LCS 160-712125/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%). The LCS is within criteria and no further action is required.

Method 9320_Ra228: Radium-228 Prep Batch 160-712848:
The laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-712848/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However, the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%). The LCS is within criteria and no further action is required.

Method 9320_Ra228: Radium 228 Batch 712127
The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 126%: (LCS 160-712127/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

Job ID: 180-188701-2 (Continued) Eurofins Pittsburgh

Method 9320_Ra228: Radium 228 Batch 712127
The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. SW-3 (180-188701-9), SW-4 (180-188701-13), SW-5 (180-188701-15), SW-5 (180-188701-17), SW-6 (180-188701-19), SW-6 (180-188701-21), SW-9 (180-188701-23), SW-9 (180-188701-25), SW-10 (180-188701-27), SW-11 (180-188701-29), SW-12 (180-188701-31), SW-13 (180-188701-33), SW-14 (180-188701-35), SW-16 (180-188701-39), DUP-01 (180-188701-43), DUP-02 (180-188701-45) and DUP-03 (180-188701-47)

Method 9320_Ra228 - Dissolved: Radium-228 batch 712216
The LCS recovered at (126%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (74-146%) per method requirements. The LCS passes, no further action is required (LCS 160-712216/2-A)

Method 9320_Ra228 - Dissolved: Radium-228 Prep Batch 160-712848:
The laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-712848/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However, the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%). The LCS is within criteria and no further action is required.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Job ID: 180-188701-2
Project/Site: Plant Watson Ash Pond Surfacewater

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-188701-2
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Job ID: 180-188701-2
Project/Site: Plant Watson Ash Pond Surfacewater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-188701-1	SW-1	Water	04/02/25 11:28	04/04/25 09:15
180-188701-2	SW-1	Water	04/02/25 11:38	04/04/25 09:15
180-188701-3	SW-1	Water	04/02/25 11:47	04/04/25 09:15
180-188701-4	SW-1	Water	04/02/25 11:55	04/04/25 09:15
180-188701-5	SW-2	Water	04/02/25 10:25	04/04/25 09:15
180-188701-6	SW-2	Water	04/02/25 10:38	04/04/25 09:15
180-188701-7	SW-2	Water	04/02/25 11:02	04/04/25 09:15
180-188701-8	SW-2	Water	04/02/25 11:10	04/04/25 09:15
180-188701-9	SW-3	Water	04/01/25 13:35	04/04/25 09:15
180-188701-10	SW-3	Water	04/01/25 13:45	04/04/25 09:15
180-188701-11	SW-3	Water	04/01/25 14:16	04/04/25 09:15
180-188701-12	SW-3	Water	04/01/25 14:26	04/04/25 09:15
180-188701-13	SW-4	Water	04/01/25 08:47	04/04/25 09:15
180-188701-14	SW-4	Water	04/01/25 08:54	04/04/25 09:15
180-188701-15	SW-5	Water	04/01/25 08:01	04/04/25 09:15
180-188701-16	SW-5	Water	04/01/25 08:09	04/04/25 09:15
180-188701-17	SW-5	Water	04/01/25 08:26	04/04/25 09:15
180-188701-18	SW-5	Water	04/01/25 08:34	04/04/25 09:15
180-188701-19	SW-6	Water	04/01/25 09:31	04/04/25 09:15
180-188701-20	SW-6	Water	04/01/25 09:39	04/04/25 09:15
180-188701-21	SW-6	Water	04/01/25 09:46	04/04/25 09:15
180-188701-22	SW-6	Water	04/01/25 09:54	04/04/25 09:15
180-188701-23	SW-9	Water	04/01/25 10:21	04/04/25 09:15
180-188701-24	SW-9	Water	04/01/25 10:29	04/04/25 09:15
180-188701-25	SW-9	Water	04/01/25 10:41	04/04/25 09:15
180-188701-26	SW-9	Water	04/01/25 10:49	04/04/25 09:15
180-188701-27	SW-10	Water	04/01/25 11:09	04/04/25 09:15
180-188701-28	SW-10	Water	04/01/25 11:17	04/04/25 09:15
180-188701-29	SW-11	Water	04/01/25 11:52	04/04/25 09:15
180-188701-30	SW-11	Water	04/01/25 12:00	04/04/25 09:15
180-188701-31	SW-12	Water	04/01/25 12:22	04/04/25 09:15
180-188701-32	SW-12	Water	04/01/25 12:30	04/04/25 09:15
180-188701-33	SW-13	Water	04/01/25 09:57	04/04/25 09:15
180-188701-34	SW-13	Water	04/01/25 10:05	04/04/25 09:15
180-188701-35	SW-14	Water	04/01/25 10:36	04/04/25 09:15
180-188701-36	SW-14	Water	04/01/25 10:44	04/04/25 09:15
180-188701-37	SW-15	Water	04/01/25 11:19	04/04/25 09:15
180-188701-38	SW-15	Water	04/01/25 11:27	04/04/25 09:15
180-188701-39	SW-16	Water	04/01/25 12:02	04/04/25 09:15
180-188701-40	SW-16	Water	04/01/25 12:10	04/04/25 09:15
180-188701-41	SW-17	Water	04/01/25 12:39	04/04/25 09:15
180-188701-42	SW-17	Water	04/01/25 12:49	04/04/25 09:15
180-188701-43	DUP-01	Water	04/01/25 10:09	04/04/25 09:15
180-188701-44	DUP-01	Water	04/01/25 10:17	04/04/25 09:15
180-188701-45	DUP-02	Water	04/01/25 07:47	04/04/25 09:15
180-188701-46	DUP-02	Water	04/01/25 07:54	04/04/25 09:15
180-188701-47	DUP-03	Water	04/02/25 09:25	04/04/25 09:15
180-188701-48	DUP-03	Water	04/02/25 09:38	04/04/25 09:15
180-188701-49	FB-01	Water	04/01/25 07:06	04/04/25 09:15
180-188701-50	EB-01	Water	04/01/25 07:14	04/04/25 09:15
180-188701-51	FB-02	Water	04/02/25 09:45	04/04/25 09:15
180-188701-52	EB-02	Water	04/02/25 09:48	04/04/25 09:15

Method Summary

Client: Southern Company
Job ID: 180-188701-2
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Ra226_Ra228 (D)	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-1
Date Collected: 04/02/25 11:28
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.15 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 21:41	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			755.15 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716201	05/06/25 12:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 04/02/25 11:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.87 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			750.87 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716787	05/09/25 11:53	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 04/02/25 11:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.42 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 21:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.42 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716200	05/06/25 12:22	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 04/02/25 11:55
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			757.69 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-1
Date Collected: 04/02/25 11:55
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			757.69 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716787	05/09/25 11:53	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 04/02/25 10:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.86 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 21:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.86 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716200	05/06/25 12:22	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 04/02/25 10:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.66 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			753.66 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716787	05/09/25 11:53	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 04/02/25 11:02
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.93 mL	1.0 g	712124	04/11/25 07:24	OGC	EET SL
Total/NA	Analysis	9315		1			716198	05/06/25 21:42	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.93 mL	1.0 g	712125	04/11/25 07:32	OGC	EET SL
Total/NA	Analysis	9320		1			716200	05/06/25 12:22	SWS	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-2
Date Collected: 04/02/25 11:02
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			716921	05/09/25 14:04	SCB	EET SL

Client Sample ID: SW-2
Date Collected: 04/02/25 11:10
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			758.91 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			758.91 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:51	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 04/01/25 13:35
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			757.44 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			757.44 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:25	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 04/01/25 13:45
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.85 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			750.85 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:51	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-3
Date Collected: 04/01/25 14:16
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			757.79 mL	1.0 g	712847	04/17/25 07:38	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 20:37	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			757.79 mL	1.0 g	712848	04/17/25 07:44	OGC	EET SL
Total/NA	Analysis	9320		1			717147	05/12/25 14:08	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 04/01/25 14:26
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			758.20 mL	1.0 g	712847	04/17/25 07:38	OGC	EET SL
Dissolved	Analysis	9315		1			717156	05/12/25 20:37	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			758.20 mL	1.0 g	712848	04/17/25 07:44	OGC	EET SL
Dissolved	Analysis	9320		1			717156	05/12/25 14:19	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 04/01/25 08:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.79 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			750.79 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:25	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 04/01/25 08:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			757.03 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Job ID: 180-188701-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-4
Lab Sample ID: 180-188701-14
Date Collected: 04/01/25 08:54
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			757.03 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:51	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Lab Sample ID: 180-188701-15
Date Collected: 04/01/25 08:01
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.54 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			752.54 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:25	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Lab Sample ID: 180-188701-16
Date Collected: 04/01/25 08:09
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.68 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:27	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			753.68 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:51	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Lab Sample ID: 180-188701-17
Date Collected: 04/01/25 08:26
Matrix: Water
Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.97 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.97 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-5
Date Collected: 04/01/25 08:26
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL

Client Sample ID: SW-5
Date Collected: 04/01/25 08:34
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			755.53 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			755.53 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 04/01/25 09:31
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			754.60 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			754.60 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 04/01/25 09:39
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			756.26 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			756.26 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-6

Lab Sample ID: 180-188701-21

Date Collected: 04/01/25 09:46

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.47 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.47 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-188701-22

Date Collected: 04/01/25 09:54

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			757.93 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:28	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			757.93 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Lab Sample ID: 180-188701-23

Date Collected: 04/01/25 10:21

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.35 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717682	05/15/25 14:35	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			750.35 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Lab Sample ID: 180-188701-24

Date Collected: 04/01/25 10:29

Matrix: Water

Date Received: 04/04/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.26 mL	1.0 g	712215	04/14/25 08:03	OGC	EET SL
Dissolved	Analysis	9315		1			716789	05/09/25 22:28	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-9
Date Collected: 04/01/25 10:29
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			750.26 mL	1.0 g	712216	04/14/25 08:06	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 15:10	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 04/01/25 10:41
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.46 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.46 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 04/01/25 10:49
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.31 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:17	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			753.31 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:50	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Date Collected: 04/01/25 11:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.89 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			751.89 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:26	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-10
Date Collected: 04/01/25 11:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL

Client Sample ID: SW-10
Date Collected: 04/01/25 11:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.90 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:17	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			750.90 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:50	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Date Collected: 04/01/25 11:52
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.00 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:26	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.00 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Date Collected: 04/01/25 12:00
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.95 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:17	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			753.95 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716790	05/09/25 11:50	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-12
Date Collected: 04/01/25 12:22
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			757.04 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			757.04 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Date Collected: 04/01/25 12:30
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.48 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:17	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			750.48 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:04	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Date Collected: 04/01/25 09:57
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.94 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			751.94 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Date Collected: 04/01/25 10:05
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.77 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:17	FLC	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-13
Date Collected: 04/01/25 10:05
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			750.77 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:04	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Date Collected: 04/01/25 10:36
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.64 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			751.64 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Date Collected: 04/01/25 10:44
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			752.83 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716790	05/09/25 15:18	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			752.83 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:04	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15
Date Collected: 04/01/25 11:19
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.65 mL	1.0 g	712847	04/17/25 07:38	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 20:37	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.65 mL	1.0 g	712848	04/17/25 07:44	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 14:19	CMM	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-15
Date Collected: 04/01/25 11:19
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 17:21	SCB	EET SL

Client Sample ID: SW-15
Date Collected: 04/01/25 11:27
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-38
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			749.17 mL	1.0 g	712847	04/17/25 07:38	OGC	EET SL
Dissolved	Analysis	9315		1			717156	05/12/25 20:37	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			749.17 mL	1.0 g	712848	04/17/25 07:44	OGC	EET SL
Dissolved	Analysis	9320		1			717156	05/12/25 14:19	CMM	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 04/01/25 12:02
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.29 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.29 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 04/01/25 12:10
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			752.73 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716787	05/09/25 15:01	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			752.73 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:05	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-17
Date Collected: 04/01/25 12:39
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			754.02 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			754.02 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 04/01/25 12:49
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-42
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.40 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716787	05/09/25 15:01	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			750.40 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:05	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 04/01/25 10:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.27 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			756.27 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 04/01/25 10:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			756.37 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716787	05/09/25 15:02	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: DUP-01
Date Collected: 04/01/25 10:17
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			756.37 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:05	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 04/01/25 07:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.80 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:27	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.80 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717687	05/15/25 09:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 04/01/25 07:54
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-46
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			751.49 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1			716787	05/09/25 15:02	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			751.49 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:05	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 04/02/25 09:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.79 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.79 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 09:38	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: DUP-03
Date Collected: 04/02/25 09:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL

Client Sample ID: DUP-03
Date Collected: 04/02/25 09:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-48
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			751.45 mL	1.0 g	712211	04/14/25 07:54	OGC	EET SL
Dissolved	Analysis	9315		1	1.0 mL	1.0 mL	716787	05/09/25 15:02	SWS	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			751.45 mL	1.0 g	712214	04/14/25 08:01	OGC	EET SL
Dissolved	Analysis	9320		1			716789	05/09/25 12:05	SWS	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			717943	05/16/25 18:57	MLK	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01
Date Collected: 04/01/25 07:06
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-49
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.02 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1005.02 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 09:38	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 04/01/25 07:14
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.59 mL	1.0 g	712126	04/11/25 07:34	OGC	EET SL
Total/NA	Analysis	9315		1			717687	05/15/25 16:28	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1007.59 mL	1.0 g	712127	04/11/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			717682	05/15/25 09:38	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: FB-02

Date Collected: 04/02/25 09:45
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-51

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1007.88 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 16:41	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1007.88 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Date Collected: 04/02/25 09:48
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-52

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1006.53 mL	1.0 g	712128	04/11/25 07:47	OGC	EET SL
Total/NA	Analysis	9315		1			717156	05/12/25 16:41	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.53 mL	1.0 g	712129	04/11/25 07:51	OGC	EET SL
Total/NA	Analysis	9320		1			717156	05/12/25 11:59	CMM	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			717733	05/16/25 18:54	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Analyst References:

Lab: EET SL

Batch Type: Prep

OGC = Olivia Carr

Batch Type: Analysis

CMM = Chelsea Mazariegos
FLC = Fernando Cruz
MLK = Micha Korrinhizer
SCB = Sarah Bernsen
SWS = Seth Stubblefield

Client Sample ID: SW-1

Date Collected: 04/02/25 11:28
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.207	U	0.268	0.268	1.00	0.672	pCi/L	04/11/25 07:24	05/06/25 21:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*51.5*		*30 - 110*	*04/11/25 07:24*	*05/06/25 21:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.305	U G	0.673	0.673	1.00	1.35	pCi/L	04/11/25 07:32	05/06/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*51.5*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.511	U	0.724	0.724	5.00	1.35	pCi/L		05/09/25 14:04	1

Client Sample ID: SW-1

Date Collected: 04/02/25 11:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0137	U	0.172	0.172	1.00	0.372	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0723	U	0.367	0.367	1.00	0.675	pCi/L	04/14/25 08:06	05/09/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0587	U	0.405	0.405	5.00	0.675	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-1
Lab Sample ID: 180-188701-3

Date Collected: 04/02/25 11:47
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0825	U	0.318	0.318	1.00	0.689	pCi/L	04/11/25 07:24	05/06/25 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.5*		*30 - 110*	*04/11/25 07:24*	*05/06/25 21:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.213	U G	0.754	0.754	1.00	1.45	pCi/L	04/11/25 07:32	05/06/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.5*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.296	U	0.818	0.818	5.00	1.45	pCi/L		05/09/25 14:04	1

Client Sample ID: SW-1
Lab Sample ID: 180-188701-4

Date Collected: 04/02/25 11:55
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0678	U	0.159	0.159	1.00	0.384	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.252	U	0.380	0.381	1.00	0.645	pCi/L	04/14/25 08:06	05/09/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.184	U	0.412	0.413	5.00	0.645	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-2
Lab Sample ID: 180-188701-5

Date Collected: 04/02/25 10:25
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117	U	0.286	0.286	1.00	0.536	pCi/L	04/11/25 07:24	05/06/25 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.1*		*30 - 110*	*04/11/25 07:24*	*05/06/25 21:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U G	0.602	0.602	1.00	1.09	pCi/L	04/11/25 07:32	05/06/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.1*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*
Y Carrier	*87.5*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.283	U	0.666	0.666	5.00	1.09	pCi/L		05/09/25 14:04	1

Client Sample ID: SW-2

Date Collected: 04/02/25 10:38
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0959	U	0.193	0.194	1.00	0.353	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.707**		0.474	0.478	1.00	0.702	pCi/L	04/14/25 08:06	05/09/25 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:53*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.803**		0.512	0.516	5.00	0.702	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-2
Lab Sample ID: 180-188701-7

Date Collected: 04/02/25 11:02
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0187	U	0.259	0.259	1.00	0.530	pCi/L	04/11/25 07:24	05/06/25 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.1*		*30 - 110*	*04/11/25 07:24*	*05/06/25 21:42*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.342	U G	0.656	0.656	1.00	1.13	pCi/L	04/11/25 07:32	05/06/25 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.1*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/11/25 07:32*	*05/06/25 12:22*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.360	U	0.705	0.705	5.00	1.13	pCi/L		05/09/25 14:04	1

Client Sample ID: SW-2
Lab Sample ID: 180-188701-8

Date Collected: 04/02/25 11:10
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147	U	0.205	0.205	1.00	0.346	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0952	U	0.453	0.453	1.00	0.861	pCi/L	04/14/25 08:06	05/09/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0520	U	0.497	0.497	5.00	0.861	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-3
Lab Sample ID: 180-188701-9

Date Collected: 04/01/25 13:35
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.591	U	0.569	0.572	1.00	0.892	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*50.3*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.337	U G	0.809	0.810	1.00	1.42	pCi/L	04/11/25 07:46	05/15/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*50.3*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.927	U	0.989	0.992	5.00	1.42	pCi/L		05/16/25 17:21	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: SW-3

Date Collected: 04/01/25 13:45
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00324	U	0.272	0.272	1.00	0.543	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.886**		0.509	0.516	1.00	0.729	pCi/L	04/14/25 08:06	05/09/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*
Y Carrier	*85.2*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.890**		0.577	0.583	5.00	0.729	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-3
Lab Sample ID: 180-188701-11

Date Collected: 04/01/25 14:16
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.170	U	0.306	0.306	1.00	0.537	pCi/L	04/17/25 07:38	05/12/25 20:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/17/25 07:38*	*05/12/25 20:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.246	U	0.524	0.525	1.00	0.914	pCi/L	04/17/25 07:44	05/12/25 14:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:08*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.416	U	0.607	0.608	5.00	0.914	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-3

Date Collected: 04/01/25 14:26
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0151	U	0.191	0.191	1.00	0.412	pCi/L	04/17/25 07:38	05/12/25 20:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*04/17/25 07:38*	*05/12/25 20:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.939**		0.579	0.585	1.00	0.848	pCi/L	04/17/25 07:44	05/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.924**		0.610	0.615	5.00	0.848	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-4
Lab Sample ID: 180-188701-13

Date Collected: 04/01/25 08:47
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0572	U G	0.496	0.496	1.00	1.00	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.6*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.900	U G	1.29	1.29	1.00	2.16	pCi/L	04/11/25 07:46	05/15/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.6*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.957	U	1.38	1.38	5.00	2.16	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-4
Lab Sample ID: 180-188701-14

Date Collected: 04/01/25 08:54
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0333	U	0.176	0.176	1.00	0.390	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.311	U	0.481	0.482	1.00	0.817	pCi/L	04/14/25 08:06	05/09/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*
Y Carrier	*77.8*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.278	U	0.512	0.513	5.00	0.817	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-5
Lab Sample ID: 180-188701-15

Date Collected: 04/01/25 08:01
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.198	U	0.416	0.416	1.00	0.960	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.01	U G	1.02	1.02	1.00	1.65	pCi/L	04/11/25 07:46	05/15/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:25*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.810	U	1.10	1.10	5.00	1.65	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-5
Lab Sample ID: 180-188701-16

Date Collected: 04/01/25 08:09
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0623	U	0.199	0.199	1.00	0.440	pCi/L	04/14/25 08:03	05/09/25 22:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0531	U	0.380	0.380	1.00	0.722	pCi/L	04/14/25 08:06	05/09/25 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.7*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:51*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	-0.115	U	0.429	0.429	5.00	0.722	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-5
Lab Sample ID: 180-188701-17

Date Collected: 04/01/25 08:26
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.199	U	0.503	0.503	1.00	0.950	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*30.8*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.14**	**G**	1.59	1.62	1.00	2.20	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*30.8*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*73.6*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**3.34**		1.67	1.70	5.00	2.20	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-5

Date Collected: 04/01/25 08:34
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-18

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0421	U	0.164	0.164	1.00	0.326	pCi/L	04/14/25 08:03	05/09/25 22:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.509	U	0.408	0.410	1.00	0.630	pCi/L	04/14/25 08:06	05/09/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.551	U	0.440	0.442	5.00	0.630	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-6

Date Collected: 04/01/25 09:31
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-19

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.398	U G	0.659	0.660	1.00	1.15	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.6*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.519	U G	1.51	1.51	1.00	2.66	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.6*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*72.1*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.917	U	1.65	1.65	5.00	2.66	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-6
Lab Sample ID: 180-188701-20

Date Collected: 04/01/25 09:39
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173	U	0.248	0.248	1.00	0.420	pCi/L	04/14/25 08:03	05/09/25 22:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.378	U	0.441	0.443	1.00	0.726	pCi/L	04/14/25 08:06	05/09/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.551	U	0.506	0.508	5.00	0.726	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-6
Lab Sample ID: 180-188701-21

Date Collected: 04/01/25 09:46
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.166	U	0.541	0.541	1.00	0.991	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.2*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.76**	**G**	1.05	1.06	1.00	1.52	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.2*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*71.0*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.92**		1.18	1.19	5.00	1.52	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-6
Lab Sample ID: 180-188701-22

Date Collected: 04/01/25 09:54
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0869	U	0.283	0.283	1.00	0.519	pCi/L	04/14/25 08:03	05/09/25 22:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.223	U	0.411	0.411	1.00	0.708	pCi/L	04/14/25 08:06	05/09/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.310	U	0.499	0.499	5.00	0.708	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-9
Lab Sample ID: 180-188701-23

Date Collected: 04/01/25 10:21
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0188	U G	0.588	0.588	1.00	1.16	pCi/L	04/11/25 07:34	05/15/25 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*41.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.405	U G	0.922	0.923	1.00	1.62	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*41.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.386	U	1.09	1.09	5.00	1.62	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-9
Lab Sample ID: 180-188701-24

Date Collected: 04/01/25 10:29
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.128	U	0.253	0.253	1.00	0.552	pCi/L	04/14/25 08:03	05/09/25 22:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*04/14/25 08:03*	*05/09/25 22:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.257	U	0.384	0.385	1.00	0.653	pCi/L	04/14/25 08:06	05/09/25 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.129	U	0.460	0.461	5.00	0.653	pCi/L		05/16/25 15:10	1

Client Sample ID: SW-9
Lab Sample ID: 180-188701-25

Date Collected: 04/01/25 10:41
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.212	U	0.285	0.286	1.00	0.773	pCi/L	04/11/25 07:34	05/15/25 16:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:26*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.27	U G	1.21	1.22	1.00	1.94	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*70.7*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.06	U	1.24	1.25	5.00	1.94	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-9
Lab Sample ID: 180-188701-26

Date Collected: 04/01/25 10:49
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.138	U	0.260	0.260	1.00	0.462	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.314	U	0.443	0.444	1.00	0.746	pCi/L	04/14/25 08:01	05/09/25 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.452	U	0.514	0.515	5.00	0.746	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-10

Date Collected: 04/01/25 11:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-27

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.453	U	0.268	0.271	1.00	0.871	pCi/L	04/11/25 07:34	05/15/25 16:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:26*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.856	U G	1.09	1.10	1.00	1.82	pCi/L	04/11/25 07:46	05/15/25 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*
Y Carrier	*73.6*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:26*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.403	U	1.12	1.13	5.00	1.82	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-10
Lab Sample ID: 180-188701-28

Date Collected: 04/01/25 11:17
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.258	0.258	1.00	0.471	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.188	U	0.381	0.381	1.00	0.667	pCi/L	04/14/25 08:01	05/09/25 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.300	U	0.460	0.460	5.00	0.667	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-11

Date Collected: 04/01/25 11:52
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-29

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.354	U G	0.664	0.665	1.00	1.44	pCi/L	04/11/25 07:34	05/15/25 16:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.1*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:26*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.34**	**G**	1.53	1.55	1.00	2.28	pCi/L	04/11/25 07:46	05/15/25 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.1*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:27*	*1*
Y Carrier	*73.3*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.98	U	1.67	1.69	5.00	2.28	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-11
Lab Sample ID: 180-188701-30

Date Collected: 04/01/25 12:00
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.124	U	0.241	0.241	1.00	0.433	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.160	U	0.476	0.477	1.00	0.842	pCi/L	04/14/25 08:01	05/09/25 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/14/25 08:01*	*05/09/25 11:50*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.284	U	0.534	0.534	5.00	0.842	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-12

Date Collected: 04/01/25 12:22
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-31

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0420	U	0.442	0.442	1.00	0.959	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.1*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.417	U G	1.12	1.13	1.00	2.24	pCi/L	04/11/25 07:46	05/15/25 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*32.1*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:27*	*1*
Y Carrier	*70.3*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:27*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.459	U	1.20	1.21	5.00	2.24	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-12
Lab Sample ID: 180-188701-32

Date Collected: 04/01/25 12:30
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0155	U	0.283	0.283	1.00	0.553	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.741	U	0.503	0.508	1.00	0.753	pCi/L	04/14/25 08:01	05/09/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.757**		0.577	0.582	5.00	0.753	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-13

Date Collected: 04/01/25 09:57
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-33

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0856	U	0.320	0.320	1.00	0.733	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.7*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.515	U G	0.892	0.893	1.00	1.54	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.7*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*71.8*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.429	U	0.948	0.949	5.00	1.54	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-13
Lab Sample ID: 180-188701-34

Date Collected: 04/01/25 10:05
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0339	U	0.241	0.241	1.00	0.474	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.10**		0.492	0.502	1.00	0.628	pCi/L	04/14/25 08:01	05/09/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.14**		0.548	0.557	5.00	0.628	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-14

Date Collected: 04/01/25 10:36
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-35

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.124	U	0.259	0.260	1.00	0.483	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.8*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.27**	**G**	0.809	0.817	1.00	1.18	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.8*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.40**		0.849	0.857	5.00	1.18	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-14
Lab Sample ID: 180-188701-36

Date Collected: 04/01/25 10:44
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0696	U	0.247	0.247	1.00	0.470	pCi/L	04/14/25 07:54	05/09/25 15:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0732	U	0.462	0.462	1.00	0.838	pCi/L	04/14/25 08:01	05/09/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.143	U	0.524	0.524	5.00	0.838	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-15

Date Collected: 04/01/25 11:19
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-37

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0936	U	0.259	0.259	1.00	0.489	pCi/L	04/17/25 07:38	05/12/25 20:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.3*		*30 - 110*	*04/17/25 07:38*	*05/12/25 20:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.204	U	0.495	0.495	1.00	0.883	pCi/L	04/17/25 07:44	05/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.3*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.298	U	0.559	0.559	5.00	0.883	pCi/L		05/16/25 17:21	1

Client Sample ID: SW-15
Lab Sample ID: 180-188701-38

Date Collected: 04/01/25 11:27
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0480	U	0.156	0.156	1.00	0.375	pCi/L	04/17/25 07:38	05/12/25 20:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*04/17/25 07:38*	*05/12/25 20:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.814	U	0.600	0.604	1.00	0.920	pCi/L	04/17/25 07:44	05/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.766	U	0.620	0.624	5.00	0.920	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-16
Lab Sample ID: 180-188701-39

Date Collected: 04/01/25 12:02
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0544	U	0.321	0.321	1.00	0.659	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*43.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.90**	**G**	1.07	1.08	1.00	1.51	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*43.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.95**		1.12	1.13	5.00	1.51	pCi/L		05/16/25 18:54	1

Client Sample ID: SW-16
Lab Sample ID: 180-188701-40

Date Collected: 04/01/25 12:10
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.229	U	0.170	0.171	1.00	0.507	pCi/L	04/14/25 07:54	05/09/25 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.247	U	0.522	0.522	1.00	0.906	pCi/L	04/14/25 08:01	05/09/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0180	U	0.549	0.549	5.00	0.906	pCi/L		05/16/25 18:57	1

Client Sample ID: SW-17
Lab Sample ID: 180-188701-41

Date Collected: 04/01/25 12:39
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.163	U	0.281	0.282	1.00	0.494	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.359	U	0.507	0.508	1.00	0.855	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.5*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.522	U	0.580	0.581	5.00	0.855	pCi/L		05/16/25 18:54	1

Client Sample ID: SW-17
Lab Sample ID: 180-188701-42

Date Collected: 04/01/25 12:49
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0851	U	0.287	0.287	1.00	0.592	pCi/L	04/14/25 07:54	05/09/25 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:01*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.446	U	0.471	0.473	1.00	0.764	pCi/L	04/14/25 08:01	05/09/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.361	U	0.552	0.553	5.00	0.764	pCi/L		05/16/25 18:57	1

Client Sample ID: DUP-01

Date Collected: 04/01/25 10:09
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-43

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0845	U	0.403	0.403	1.00	0.884	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*38.1*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.21**	**G**	1.15	1.17	1.00	1.58	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*38.1*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*75.9*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**2.13**		1.22	1.24	5.00	1.58	pCi/L		05/16/25 18:54	1

Client Sample ID: DUP-01
Lab Sample ID: 180-188701-44

Date Collected: 04/01/25 10:17
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.163	U	0.242	0.242	1.00	0.414	pCi/L	04/14/25 07:54	05/09/25 15:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.410	U	0.483	0.485	1.00	0.796	pCi/L	04/14/25 08:01	05/09/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.574	U	0.540	0.542	5.00	0.796	pCi/L		05/16/25 18:57	1

Client Sample ID: DUP-02

Date Collected: 04/01/25 07:47
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-45

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147	U	0.514	0.514	1.00	0.975	pCi/L	04/11/25 07:34	05/15/25 16:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*36.4*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.02**	**G**	1.26	1.28	1.00	1.84	pCi/L	04/11/25 07:46	05/15/25 09:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*36.4*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*
Y Carrier	*73.3*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:28*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**2.16**		1.36	1.38	5.00	1.84	pCi/L		05/16/25 18:54	1

Client Sample ID: DUP-02
Lab Sample ID: 180-188701-46

Date Collected: 04/01/25 07:54
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136	U	0.239	0.239	1.00	0.423	pCi/L	04/14/25 07:54	05/09/25 15:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.404	U	0.479	0.481	1.00	0.790	pCi/L	04/14/25 08:01	05/09/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.540	U	0.535	0.537	5.00	0.790	pCi/L		05/16/25 18:57	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: DUP-03

Date Collected: 04/02/25 09:25
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-47

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00676	U G	0.530	0.530	1.00	1.07	pCi/L	04/11/25 07:34	05/15/25 16:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*34.1*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.866	U G	1.26	1.26	1.00	2.13	pCi/L	04/11/25 07:46	05/15/25 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*34.1*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*
Y Carrier	*71.0*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.873	U	1.37	1.37	5.00	2.13	pCi/L		05/16/25 18:54	1

Client Sample ID: DUP-03
Lab Sample ID: 180-188701-48

Date Collected: 04/02/25 09:38
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0125	U	0.218	0.218	1.00	0.458	pCi/L	04/14/25 07:54	05/09/25 15:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/14/25 07:54*	*05/09/25 15:02*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.20**		0.568	0.578	1.00	0.772	pCi/L	04/14/25 08:01	05/09/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/14/25 08:01*	*05/09/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.19**		0.608	0.618	5.00	0.772	pCi/L		05/16/25 18:57	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond Surfacewater

Job ID: 180-188701-2

Client Sample ID: FB-01

Date Collected: 04/01/25 07:06
Date Received: 04/04/25 09:15

Lab Sample ID: 180-188701-49

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0385	U	0.141	0.141	1.00	0.275	pCi/L	04/11/25 07:34	05/15/25 16:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.809**		0.369	0.376	1.00	0.475	pCi/L	04/11/25 07:46	05/15/25 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*
Y Carrier	*74.0*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.847**		0.395	0.402	5.00	0.475	pCi/L		05/16/25 18:54	1

Client Sample ID: EB-01
Lab Sample ID: 180-188701-50

Date Collected: 04/01/25 07:14
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0308	U	0.148	0.148	1.00	0.291	pCi/L	04/11/25 07:34	05/15/25 16:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*04/11/25 07:34*	*05/15/25 16:28*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0488	U	0.307	0.308	1.00	0.558	pCi/L	04/11/25 07:46	05/15/25 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/11/25 07:46*	*05/15/25 09:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0796	U	0.341	0.342	5.00	0.558	pCi/L		05/16/25 18:54	1

Client Sample ID: FB-02
Lab Sample ID: 180-188701-51

Date Collected: 04/02/25 09:45
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00620	U	0.156	0.156	1.00	0.316	pCi/L	04/11/25 07:47	05/12/25 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*04/11/25 07:47*	*05/12/25 16:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.487	U	0.342	0.345	1.00	0.516	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.493	U	0.376	0.379	5.00	0.516	pCi/L		05/16/25 18:54	1

Client Sample ID: EB-02
Lab Sample ID: 180-188701-52

Date Collected: 04/02/25 09:48
Matrix: Water

Date Received: 04/04/25 09:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.119	U	0.247	0.247	1.00	0.437	pCi/L	04/11/25 07:47	05/12/25 16:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*04/11/25 07:47*	*05/12/25 16:41*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.351	0.352	1.00	0.570	pCi/L	04/11/25 07:51	05/12/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*
Y Carrier	*83.4*		*30 - 110*	*04/11/25 07:51*	*05/12/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.451	U	0.429	0.430	5.00	0.570	pCi/L		05/16/25 18:54	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-712124/1-A
Matrix: Water
Analysis Batch: 716200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712124

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1314	U	0.191	0.191	1.00	0.325	pCi/L	04/11/25 07:24	05/06/25 19:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*04/11/25 07:24*	*05/06/25 19:48*	*1*

Lab Sample ID: LCS 160-712124/2-A
Matrix: Water
Analysis Batch: 716200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712124

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.590		1.15	1.00	0.325	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.4*		*30 - 110*

Lab Sample ID: MB 160-712126/1-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712126

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09834	U	0.160	0.160	1.00	0.280	pCi/L	04/11/25 07:34	05/15/25 14:34	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*04/11/25 07:34*	*05/15/25 14:34*	*1*

Lab Sample ID: LCS 160-712126/2-A
Matrix: Water
Analysis Batch: 717682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712126

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.477		1.25	1.00	0.253	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.9*		*30 - 110*

Lab Sample ID: 180-188701-50 DU
Matrix: Water
Analysis Batch: 717687

Client Sample ID: EB-01
Prep Type: Total/NA
Prep Batch: 712126

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0308	U		-0.02454	U	0.114	1.00	0.263	pCi/L			0.21	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 180-188701-50 DU
Matrix: Water
Analysis Batch: 717687

Client Sample ID: EB-01
Prep Type: Total/NA
Prep Batch: 712126

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	98.0		30 - 110

Lab Sample ID: MB 160-712128/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712128

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.008397	U	0.124	0.124	1.00	0.263	pCi/L	04/11/25 07:47	05/12/25 16:41	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110	04/11/25 07:47	05/12/25 16:41	1

Lab Sample ID: LCS 160-712128/2-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712128

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.792		1.07	1.00	0.285	pCi/L	81	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	100		30 - 110

Lab Sample ID: MB 160-712211/1-A
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712211

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.009090	U	0.178	0.178	1.00	0.357	pCi/L	04/14/25 07:54	05/09/25 15:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110	04/14/25 07:54	05/09/25 15:17	1

Lab Sample ID: LCS 160-712211/2-A
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712211

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.498		1.08	1.00	0.321	pCi/L	78	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.9		30 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-712215/1-A
Matrix: Water
Analysis Batch: 716789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712215

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1581	U	0.190	0.190	1.00	0.309	pCi/L	04/14/25 08:03	05/09/25 15:09	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*04/14/25 08:03*	*05/09/25 15:09*	*1*

Lab Sample ID: LCS 160-712215/2-A
Matrix: Water
Analysis Batch: 716789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712215

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.680		1.13	1.00	0.293	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.8*		*30 - 110*

Lab Sample ID: MB 160-712847/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712847

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05194	U	0.145	0.145	1.00	0.328	pCi/L	04/17/25 07:38	05/12/25 20:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*04/17/25 07:38*	*05/12/25 20:37*	*1*

Lab Sample ID: LCS 160-712847/2-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712847

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.027		1.28	1.00	0.447	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*76.2*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-712125/1-A
Matrix: Water
Analysis Batch: 716201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712125

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02180	U	0.317	0.317	1.00	0.589	pCi/L	04/11/25 07:32	05/06/25 12:27	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110	04/11/25 07:32	05/06/25 12:27	1
Y Carrier	80.7		30 - 110	04/11/25 07:32	05/06/25 12:27	1

Lab Sample ID: LCS 160-712125/2-A
Matrix: Water
Analysis Batch: 716201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712125

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.47	12.09		1.58	1.00	0.503	pCi/L	128	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.4		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-712127/1-A
Matrix: Water
Analysis Batch: 717687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712127

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3951	U	0.353	0.354	1.00	0.557	pCi/L	04/11/25 07:46	05/15/25 09:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110	04/11/25 07:46	05/15/25 09:25	1
Y Carrier	76.6		30 - 110	04/11/25 07:46	05/15/25 09:25	1

Lab Sample ID: LCS 160-712127/2-A
Matrix: Water
Analysis Batch: 717687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712127

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.44	11.92		1.52	1.00	0.512	pCi/L	126	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.9		30 - 110
Y Carrier	77.8		30 - 110

Lab Sample ID: 180-188701-50 DU
Matrix: Water
Analysis Batch: 717682

Client Sample ID: EB-01
Prep Type: Total/NA
Prep Batch: 712127

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0488	U		-0.1014	U	0.285	1.00	0.557	pCi/L			0.25	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	98.0		30 - 110
Y Carrier	77.0		30 - 110

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-712129/1-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712129

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1663	U	0.310	0.311	1.00	0.534	pCi/L	04/11/25 07:51	05/12/25 11:58	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110	04/11/25 07:51	05/12/25 11:58	1
Y Carrier	83.7		30 - 110	04/11/25 07:51	05/12/25 11:58	1

Lab Sample ID: LCS 160-712129/2-A
Matrix: Water
Analysis Batch: 717156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712129

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	10.55		1.37	1.00	0.502	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	100		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: MB 160-712214/1-A
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712214

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4203	U	0.341	0.343	1.00	0.526	pCi/L	04/14/25 08:01	05/09/25 11:50	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110	04/14/25 08:01	05/09/25 11:50	1
Y Carrier	78.5		30 - 110	04/14/25 08:01	05/09/25 11:50	1

Lab Sample ID: LCS 160-712214/2-A
Matrix: Water
Analysis Batch: 716790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712214

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.46	10.47		1.42	1.00	0.608	pCi/L	111	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.9		30 - 110
Y Carrier	78.9		30 - 110

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-712216/1-A
Matrix: Water
Analysis Batch: 716787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712216

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1367	U	0.325	0.325	1.00	0.645	pCi/L	04/14/25 08:06	05/09/25 11:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:50*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/14/25 08:06*	*05/09/25 11:50*	*1*

Lab Sample ID: LCS 160-712216/2-A
Matrix: Water
Analysis Batch: 716787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712216

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.46	11.95		1.59	1.00	0.633	pCi/L	126	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*82.8*		*30 - 110*
Y Carrier	*78.9*		*30 - 110*

Lab Sample ID: MB 160-712848/1-A
Matrix: Water
Analysis Batch: 717147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712848

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8612		0.431	0.438	1.00	0.599	pCi/L	04/17/25 07:44	05/12/25 14:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:07*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/17/25 07:44*	*05/12/25 14:07*	*1*

Lab Sample ID: LCS 160-712848/2-A
Matrix: Water
Analysis Batch: 717147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712848

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	12.20		1.68	1.00	0.687	pCi/L	129	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*76.2*		*30 - 110*
Y Carrier	*77.8*		*30 - 110*

Rad

Prep Batch: 712124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	PrecSep-21	
180-188701-3	SW-1	Total/NA	Water	PrecSep-21	
180-188701-5	SW-2	Total/NA	Water	PrecSep-21	
180-188701-7	SW-2	Total/NA	Water	PrecSep-21	
MB 160-712124/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712124/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-1	SW-1	Total/NA	Water	PrecSep_0	
180-188701-3	SW-1	Total/NA	Water	PrecSep_0	
180-188701-5	SW-2	Total/NA	Water	PrecSep_0	
180-188701-7	SW-2	Total/NA	Water	PrecSep_0	
MB 160-712125/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712125/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-9	SW-3	Total/NA	Water	PrecSep-21	
180-188701-13	SW-4	Total/NA	Water	PrecSep-21	
180-188701-15	SW-5	Total/NA	Water	PrecSep-21	
180-188701-17	SW-5	Total/NA	Water	PrecSep-21	
180-188701-19	SW-6	Total/NA	Water	PrecSep-21	
180-188701-21	SW-6	Total/NA	Water	PrecSep-21	
180-188701-23	SW-9	Total/NA	Water	PrecSep-21	
180-188701-25	SW-9	Total/NA	Water	PrecSep-21	
180-188701-27	SW-10	Total/NA	Water	PrecSep-21	
180-188701-29	SW-11	Total/NA	Water	PrecSep-21	
180-188701-31	SW-12	Total/NA	Water	PrecSep-21	
180-188701-33	SW-13	Total/NA	Water	PrecSep-21	
180-188701-35	SW-14	Total/NA	Water	PrecSep-21	
180-188701-39	SW-16	Total/NA	Water	PrecSep-21	
180-188701-41	SW-17	Total/NA	Water	PrecSep-21	
180-188701-43	DUP-01	Total/NA	Water	PrecSep-21	
180-188701-45	DUP-02	Total/NA	Water	PrecSep-21	
180-188701-47	DUP-03	Total/NA	Water	PrecSep-21	
180-188701-49	FB-01	Total/NA	Water	PrecSep-21	
180-188701-50	EB-01	Total/NA	Water	PrecSep-21	
MB 160-712126/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712126/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-188701-50 DU	EB-01	Total/NA	Water	PrecSep-21	

Prep Batch: 712127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-9	SW-3	Total/NA	Water	PrecSep_0	
180-188701-13	SW-4	Total/NA	Water	PrecSep_0	
180-188701-15	SW-5	Total/NA	Water	PrecSep_0	
180-188701-17	SW-5	Total/NA	Water	PrecSep_0	
180-188701-19	SW-6	Total/NA	Water	PrecSep_0	
180-188701-21	SW-6	Total/NA	Water	PrecSep_0	
180-188701-23	SW-9	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 712127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-25	SW-9	Total/NA	Water	PrecSep_0	
180-188701-27	SW-10	Total/NA	Water	PrecSep_0	
180-188701-29	SW-11	Total/NA	Water	PrecSep_0	
180-188701-31	SW-12	Total/NA	Water	PrecSep_0	
180-188701-33	SW-13	Total/NA	Water	PrecSep_0	
180-188701-35	SW-14	Total/NA	Water	PrecSep_0	
180-188701-39	SW-16	Total/NA	Water	PrecSep_0	
180-188701-41	SW-17	Total/NA	Water	PrecSep_0	
180-188701-43	DUP-01	Total/NA	Water	PrecSep_0	
180-188701-45	DUP-02	Total/NA	Water	PrecSep_0	
180-188701-47	DUP-03	Total/NA	Water	PrecSep_0	
180-188701-49	FB-01	Total/NA	Water	PrecSep_0	
180-188701-50	EB-01	Total/NA	Water	PrecSep_0	
MB 160-712127/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712127/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-188701-50 DU	EB-01	Total/NA	Water	PrecSep_0	

Prep Batch: 712128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-51	FB-02	Total/NA	Water	PrecSep-21	
180-188701-52	EB-02	Total/NA	Water	PrecSep-21	
MB 160-712128/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712128/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-51	FB-02	Total/NA	Water	PrecSep_0	
180-188701-52	EB-02	Total/NA	Water	PrecSep_0	
MB 160-712129/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712129/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-26	SW-9	Dissolved	Water	PrecSep-21	
180-188701-28	SW-10	Dissolved	Water	PrecSep-21	
180-188701-30	SW-11	Dissolved	Water	PrecSep-21	
180-188701-32	SW-12	Dissolved	Water	PrecSep-21	
180-188701-34	SW-13	Dissolved	Water	PrecSep-21	
180-188701-36	SW-14	Dissolved	Water	PrecSep-21	
180-188701-40	SW-16	Dissolved	Water	PrecSep-21	
180-188701-42	SW-17	Dissolved	Water	PrecSep-21	
180-188701-44	DUP-01	Dissolved	Water	PrecSep-21	
180-188701-46	DUP-02	Dissolved	Water	PrecSep-21	
180-188701-48	DUP-03	Dissolved	Water	PrecSep-21	
MB 160-712211/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712211/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-26	SW-9	Dissolved	Water	PrecSep_0	
180-188701-28	SW-10	Dissolved	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 712214 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-30	SW-11	Dissolved	Water	PrecSep_0	
180-188701-32	SW-12	Dissolved	Water	PrecSep_0	
180-188701-34	SW-13	Dissolved	Water	PrecSep_0	
180-188701-36	SW-14	Dissolved	Water	PrecSep_0	
180-188701-40	SW-16	Dissolved	Water	PrecSep_0	
180-188701-42	SW-17	Dissolved	Water	PrecSep_0	
180-188701-44	DUP-01	Dissolved	Water	PrecSep_0	
180-188701-46	DUP-02	Dissolved	Water	PrecSep_0	
180-188701-48	DUP-03	Dissolved	Water	PrecSep_0	
MB 160-712214/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712214/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	PrecSep-21	
180-188701-4	SW-1	Dissolved	Water	PrecSep-21	
180-188701-6	SW-2	Dissolved	Water	PrecSep-21	
180-188701-8	SW-2	Dissolved	Water	PrecSep-21	
180-188701-10	SW-3	Dissolved	Water	PrecSep-21	
180-188701-14	SW-4	Dissolved	Water	PrecSep-21	
180-188701-16	SW-5	Dissolved	Water	PrecSep-21	
180-188701-18	SW-5	Dissolved	Water	PrecSep-21	
180-188701-20	SW-6	Dissolved	Water	PrecSep-21	
180-188701-22	SW-6	Dissolved	Water	PrecSep-21	
180-188701-24	SW-9	Dissolved	Water	PrecSep-21	
MB 160-712215/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712215/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-2	SW-1	Dissolved	Water	PrecSep_0	
180-188701-4	SW-1	Dissolved	Water	PrecSep_0	
180-188701-6	SW-2	Dissolved	Water	PrecSep_0	
180-188701-8	SW-2	Dissolved	Water	PrecSep_0	
180-188701-10	SW-3	Dissolved	Water	PrecSep_0	
180-188701-14	SW-4	Dissolved	Water	PrecSep_0	
180-188701-16	SW-5	Dissolved	Water	PrecSep_0	
180-188701-18	SW-5	Dissolved	Water	PrecSep_0	
180-188701-20	SW-6	Dissolved	Water	PrecSep_0	
180-188701-22	SW-6	Dissolved	Water	PrecSep_0	
180-188701-24	SW-9	Dissolved	Water	PrecSep_0	
MB 160-712216/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712216/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	PrecSep-21	
180-188701-12	SW-3	Dissolved	Water	PrecSep-21	
180-188701-37	SW-15	Total/NA	Water	PrecSep-21	
180-188701-38	SW-15	Dissolved	Water	PrecSep-21	
MB 160-712847/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 712847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-712847/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-188701-11	SW-3	Total/NA	Water	PrecSep_0	
180-188701-12	SW-3	Dissolved	Water	PrecSep_0	
180-188701-37	SW-15	Total/NA	Water	PrecSep_0	
180-188701-38	SW-15	Dissolved	Water	PrecSep_0	
MB 160-712848/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712848/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	4-2-25	1128	G	water	NO		X	X	X	X						5	Depth-1'
SW-1	4-2-25	1138	G	water	YES						X	X	X	X		5	Depth-1'
SW-1	4-2-25	1147	G	water	NO		X	X	X	X						5	Depth-7'
SW-1	4-2-25	1155	G	water	YES						X	X	X	X		5	Depth-7'
SW-2	4-2-25	1025	G	water	NO		X	X	X	X						5	Depth-1'
SW-2	4-2-25	1038	G	water	YES						X	X	X	X		5	Depth-1'
SW-2	4-2-25	1102	G	water	NO		X	X	X	X						5	Depth-7'
SW-2	4-2-25	1110	G	water	YES						X	X	X	X		5	Depth-7'
SW-3	4-1-25	1335	G	water	NO		X	X	X	X						5	Depth-1'
SW-3	4-1-25	1345	G	water	YES						X	X	X	X		5	Depth-1'
SW-3	4-1-25	1416	G	water	NO		X	X	X	X						5	Depth-4'

180-188701 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-2-25 1259	EON ENV.	[signature]	4/4/25 0915	EUFINET
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / TODD VIDETO	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 5
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205.992.6283	PO #:
Email: SCS Contacts	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	4-1-25	1426	G	water	Yes						X	X	X	X		5	depth-4'
SW-4	4-1-25	0847	G	water	No		X	X	X	X						5	depth-1.5"
SW-4	4-1-25	0854	G	water	Yes						X	X	X	X		5	Depth-1.5"
SW-5	4-1-25	0801	G	water	No		X	X	X	X						5	Depth-1'
SW-5	4-1-25	0809	G	water	Yes						X	X	X	X		5	Depth-1'
SW-5	4-1-25	0826	G	water	No		X	X	X	X						5	Depth-13'
SW-5	4-1-25	0834	G	water	Yes						X	X	X	X		5	Depth-13'
SW-6	4-1-25	0931 0939 RPH 4-2-25	G	water	No		X	X	X	X						5	Depth-1'
SW-6	4-1-25	0939	G	water	Yes						X	X	X	X		5	Depth-1'
SW-6	4-1-25	0946	G	water	No		X	X	X	X						5	Depth 9'.5"
SW-6	4-1-25	0954	G	water	Yes						X	X	X	X		5	Depth 9'.5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-25 1259	FDH ENV.		4/4/25 0915	EPI TMS
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / Todd Wurts	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 30f 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

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			Preservation Code:														
SW-9	4-1-25	1021	G	water	No		X	X	X	X						5	Depth-1'
SW-9	4-1-25	1024	G	water	Yes						X	X	X	X		5	Depth-1'
SW-9	4-1-25	1041	G	water	No		X	X	X	X						5	Depth-4'
SW-9	4-1-25	1049	G	water	Yes						X	X	X	X		5	Depth-4'
SW-10	4-1-25	1109	G	water	No		X	X	X	X						5	Depth-2'
SW-10	4-1-25	1117	G	water	Yes						X	X	X	X		5	Depth-2'
SW-11	4-1-25	1152	G	water	No		X	X	X	X						5	Depth-1'
SW-11	4-1-25	1200	G	water	Yes						X	X	X	X		5	Depth-1'
SW-12	4-1-25	1222	G	water	No		X	X	X	X						5	Depth-1'
SW-12	4-1-25	1230	G	water	Yes						X	X	X	X		5	Depth-1'
SW-13	4-1-25	0957	G	water	No		X	X	X	X						5	Depth-1'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-25 1259	Pace ENV		4/4/25 0915	BV HMG
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

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Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Keith Krisman / Todd Voreis	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
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Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-13	4-1-25	1005	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-14	4-1-25	1036	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-14	4-1-25	1044	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-15	4-1-25	1119	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-15	4-1-25	1127	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-16	4-1-25	1202	G	water	NO		X	X	X	X						5	Depth-1.5"
SW-16	4-1-25	1210	G	water	YES						X	X	X	X		5	Depth-1.5"
SW-17	4-1-25	1239	G	water	NO		X	X	X	X						5	Depth-1'
SW-17	4-1-25	1249	G	water	YES						X	X	X	X		5	Depth-1'
DUP-01	4-1-25	1009	G	water	NO		X	X	X	X						5	Depth-2'
DUP-01	4-1-25	1017	G	water	YES						X	X	X	X		5	Depth-2'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-2-25 1259	EAA ENV.	[signature]	4/4/25 0915	EAA ENV.
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

5/19/2025

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorf / Keith Krisman / Todd Rivers	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined			****Dissolved Samples are Field Filtered****			Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Dup-02	4-1-25	0747	G	water	No		X	X	X	X										5	Depth - 1'.5"
Dup-02	4-1-25	0754	G	water	Yes						X	X	X	X						5	Depth - 1'.5"
Dup-03	4-2-25	0925	G	water	No		X	X	X	X										5	Depth-1'
Dup-03	4-2-25	0938	G	water	Yes						X	X	X	X						5	Depth-1'
FB-01	4-1-25	0706	G	water	No		X	X	X	X										5	
EB-01	4-1-25	0714	G	water	No		X	X	X	X										5	
FB-02	4-2-25	0945	G	water	No		X	X	X	X										5	
EB-02	4-2-25	0948	G	water	No		X	X	X	X										5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by.	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4-2-25 1259	Company: LAH ENV	Received by:	Date/Time: 4/4/25 0915	Company: EUFINSET
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

5/19/2025

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.9 °C
Thermometer ID 24
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

4 of 13
MPS# 0263 2871 3808 2195
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435D-ASSIGNED-DSP 10/25

180-188701 Waybill

Page 93 of 109

5/19/2025

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.4 °C
Thermometer ID 24
CF -0.4 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

2 of 13
MPS# 0263 2871 3808 2173
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435D-ASSIGNED-DSP 10/25

Do not lift using this tag.

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 4.6 °C
Thermometer ID 24
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

FedEx Express

12 of 13
MPS# 0263 2871 3808 2276
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435 RRD BIP 10/25

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 3.3 °C
Thermometer ID 25
CF -0.4 Initials KR
PT-WI-SR-001 effective 7/26/13

FedEx Express

6 of 13
MPS# 0263 2871 3808 2210
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 156297-435 RRD BIP 10/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-1039/1660E2 TBSP 10/25

Jncorrected temp 4.4 °C
Thermometer ID 25
CF -0.4 Initials

FedEx Express

10 of 13
MPS# 0263 2871 3808 2254
Mstr# 2871 3808 2162
0201
XS AGCA

THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156297-1039/1660E2 TBSP 10/25

Thermometer ID 2.6 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

PRIORITY OVERNIGHT
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
15238-2907-01
4150 IRI 04/04 08:21
230062

5 of 13
MPS# 0263 2871 3808 2200
Mstr# 2871 3808 2162
0201
XS AGCA

PA-US

5/19/2025

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156237-A999-RAYMD1 ESP 10/25

Uncorrected temp °C
Thermometer ID 28 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J251024121701UV

11 of 13
MPS# 0263 2871 3808 2265
Mstr# 2871 3808 2162
0201
XS AGCA
15238
PA-US PIT

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Part # 156237-A999-RAYMD1 ESP 10/25

Uncorrected temp °C
Thermometer ID 1.4 25
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J251024121701UV

9 of 13
MPS# 0263 2871 3808 2243
Mstr# 2871 3808 2162
0201
XS AGCA
15238
PA-US PIT

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SH DATE: 02APR25
WGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.6 °C
Thermometer ID 24
CF -0.4 Initials

FedEx Express

8 of 13
MPS# 0263 2871 3808 2232
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

Part # 158297-4055-FAMSSE 10/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 0.8 °C
Thermometer ID 24
CF -0.4 Initials
PT-WI-SR-001 effective 7/26/13

FedEx Express

7 of 13
MPS# 0263 2871 3808 2221
Mstr# 2871 3808 2162
0201
XS AGCA
THU - 03 APR 10:30A
PRIORITY OVERNIGH
15[illegible]
PA-US P[illegible]

Part # 158297-4055-FAMSSE 10/25

Do Not Lift Using This Tag

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 71.75 LB
CAD: 6993800/SSFE2600
DIMS: 24x14x14 IN

BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: DEPT:
PO:

PT-WI-SR-001 effective 7/26/13

Uncorrected temp 1.8 °C
Thermometer ID 24
CF -0.4 Initials MC

PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170 1uv

13 of 13
MPS# 0263 2871 3808 2287
Mstr# 2871 3808 2162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

XS AGCA

Part # 156297-4363-ARRBBT BBP 10/25

Do not lift using this tag.

ORIGIN ID:BIXA (412) 963-7058
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

TO
TESTAMERICA PITTSBURGH LA
301 ALPHA DR

PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: DEPT:
PO:

Uncorrected temp 0.8 °C
Thermometer ID 24
CF -0.4 Initials MC

PT-WI-SR-001 effective 7/26/13

FedEx Express

J25102412170 1uv

3 of 13
MPS# 2871 38 184
38 162
0201

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

15238

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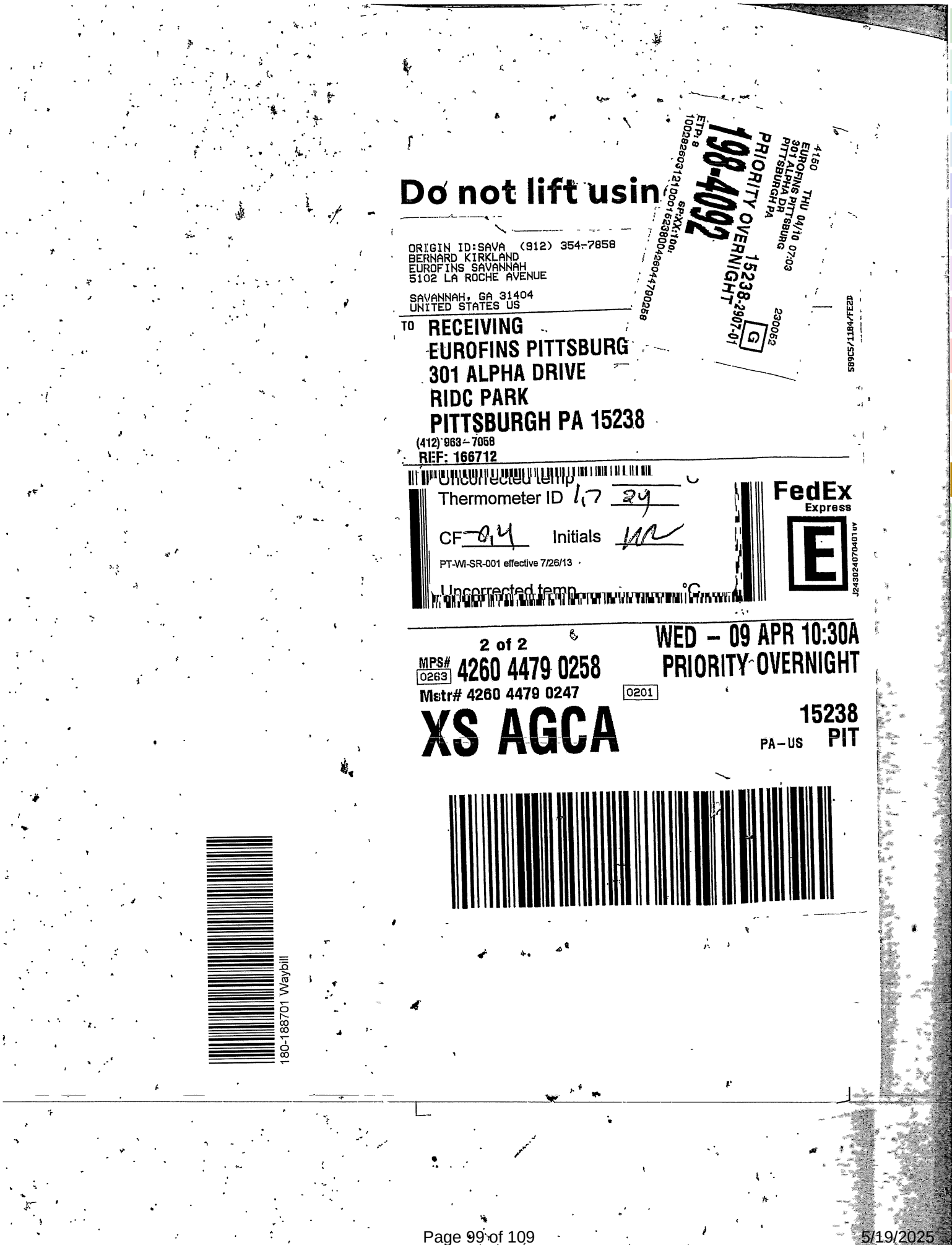
156297-4363-ARRBBT BBP 10/25

PRIORITY OVERNIGHT
15238-2907.01
SP:XX:100:
1002826030301000162380028713808218 4
ETR:31

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA
4150 FRI 04/04 08:20

Page 98 of 109

5/19/2025


Do not lift usin
198-4092
PRIORITY OVERNIGHT
15238-2907-01
ORIGIN ID:SAVA (912) 354-7858
BERNARD KIRKLAND
EUROFINS SAVANNAH
5102 LA ROCHE AVENUE
SAVANNAH, GA 31404
UNITED STATES US
TO RECEIVING
EUROFINS PITTSBURG
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: 166712
Uncorrected temp
Thermometer ID
CF 0.4
Initials
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C
FedEx
Express
2 of 2
MPS# 0263 4260 4479 0258
Mstr# 4260 4479 0247
0201
WED - 09 APR 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT
180-188701 Waybill

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-1 (180-188701-1)	4/2/25	11:28 Eastern	G	Water			X	X	X				2	
SW-1 (180-188701-2)	4/2/25	11:38 Eastern	G	Water						X	X	X	2	
SW-1 (180-188701-3)	4/2/25	11:47 Eastern	G	Water			X	X	X				2	
SW-1 (180-188701-4)	4/2/25	11:55 Eastern	G	Water						X	X	X	2	
SW-2 (180-188701-5)	4/2/25	10:25 Eastern	G	Water			X	X	X				2	
SW-2 (180-188701-6)	4/2/25	10:38 Eastern	G	Water						X	X	X	2	
SW-2 (180-188701-7)	4/2/25	11:02 Eastern	G	Water			X	X	X				2	
SW-2 (180-188701-8)	4/2/25	11:10 Eastern	G	Water						X	X	X	2	
SW-3 (180-188701-9)	4/1/25	13:35 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/8/25 1700	EP.HLE	M. Pinette	APR 10 2025 1050	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-188701-10)	4/1/25	13:45 Eastern	G	Water						X	X	X	2	
SW-4 (180-188701-13)	4/1/25	08:47 Eastern	G	Water			X	X	X				2	
SW-4 (180-188701-14)	4/1/25	08:54 Eastern	G	Water						X	X	X	2	
SW-5 (180-188701-15)	4/1/25	08:01 Eastern	G	Water			X	X	X				2	
SW-5 (180-188701-16)	4/1/25	08:09 Eastern	G	Water						X	X	X	2	
SW-5 (180-188701-17)	4/1/25	08:26 Eastern	G	Water			X	X	X				2	
SW-5 (180-188701-18)	4/1/25	08:34 Eastern	G	Water						X	X	X	2	
SW-6 (180-188701-19)	4/1/25	09:31 Eastern	G	Water			X	X	X				2	
SW-6 (180-188701-20)	4/1/25	09:39 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/8/25 1700	EP.HHO	M. Pinette	APR 10 2025 1050	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-6 (180-188701-21)	4/1/25	09:46 Eastern	G	Water			X	X	X				2	
SW-6 (180-188701-22)	4/1/25	09:54 Eastern	G	Water						X	X	X	2	
SW-9 (180-188701-23)	4/1/25	10:21 Eastern	G	Water			X	X	X				2	
SW-9 (180-188701-24)	4/1/25	10:29 Eastern	G	Water						X	X	X	2	
SW-9 (180-188701-25)	4/1/25	10:41 Eastern	G	Water			X	X	X				2	
SW-9 (180-188701-26)	4/1/25	10:49 Eastern	G	Water						X	X	X	2	
SW-10 (180-188701-27)	4/1/25	11:09 Eastern	G	Water			X	X	X				2	
SW-10 (180-188701-28)	4/1/25	11:17 Eastern	G	Water						X	X	X	2	
SW-11 (180-188701-29)	4/1/25	11:52 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/8/25 1700	EPHMS	M. Pinette	APR 10 2025 1050	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-11 (180-188701-30)	4/1/25	12:00 Eastern	G	Water						X	X	X	2	
SW-12 (180-188701-31)	4/1/25	12:22 Eastern	G	Water			X	X	X				2	
SW-12 (180-188701-32)	4/1/25	12:30 Eastern	G	Water						X	X	X	2	
SW-13 (180-188701-33)	4/1/25	09:57 Eastern	G	Water			X	X	X				2	
SW-13 (180-188701-34)	4/1/25	10:05 Eastern	G	Water						X	X	X	2	
SW-14 (180-188701-35)	4/1/25	10:36 Eastern	G	Water			X	X	X				2	
SW-14 (180-188701-36)	4/1/25	10:44 Eastern	G	Water						X	X	X	2	
SW-16 (180-188701-39)	4/1/25	12:02 Eastern	G	Water			X	X	X				2	
SW-16 (180-188701-40)	4/1/25	12:10 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/8/25 1700	EP.HC	M. Pinette	APR 10 2025 1050	
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

5/19/2025

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 5 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-17 (180-188701-41)	4/1/25	12:39 Eastern	G	Water			X	X	X				2	
SW-17 (180-188701-42)	4/1/25	12:49 Eastern	G	Water						X	X	X	2	
DUP-01 (180-188701-43)	4/1/25	10:09 Eastern	G	Water			X	X	X				2	
DUP-01 (180-188701-44)	4/1/25	10:17 Eastern	G	Water						X	X	X	2	
DUP-02 (180-188701-45)	4/1/25	07:47 Eastern	G	Water			X	X	X				2	
DUP-02 (180-188701-46)	4/1/25	07:54 Eastern	G	Water						X	X	X	2	
DUP-03 (180-188701-47)	4/2/25	09:25 Eastern	G	Water			X	X	X				2	
DUP-03 (180-188701-48)	4/2/25	09:38 Eastern	G	Water						X	X	X	2	
FB-01 (180-188701-49)	4/1/25	07:06 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/8/25 1700	EB,TALS	M. Pinette	APR 10 2025 1050	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

5/19/2025

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536242.6
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 6 of 6
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
EB-01 (180-188701-50)	4/1/25	07:14 Eastern	G	Water			X	X	X				2	
FB-02 (180-188701-51)	4/2/25	09:45 Eastern	G	Water			X	X	X				2	
EB-02 (180-188701-52)	4/2/25	09:48 Eastern	G	Water			X	X	X				2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: MLP 4/10/25
Relinquished by:	Date/Time: 4/8/25 1700	Company: EPHC	Received by: M. Pinetta
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinetta
Relinquished by:	Date/Time:	Company	Received by:

Date/Time:	Company
APR 10 2025 1550	
1050	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-536526.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 180-188701-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/8/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Watson Ash Pond Surfacewater	Project #: 18020186			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-188701-11)	4/1/25	14:16 Eastern	G	Water			X	X	X				2	
SW-3 (180-188701-12)	4/1/25	14:26 Eastern	G	Water						X	X	X	2	
SW-15 (180-188701-37)	4/1/25	11:19 Eastern	G	Water			X	X	X				2	
SW-15 (180-188701-38)	4/1/25	11:27 Eastern	G	Water						X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4/10/25 1700	Company: EUROFINS	Received by:
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 1415 APR 15 2025	Company
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

5/19/2025

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-2

Login Number: 188701
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-2

Login Number: 188701
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/10/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-188701-2

Login Number: 188701
List Number: 5
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 04/15/25 03:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 8:26:40 AM
Project: Watson CCR APMW-1R
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-1R **Latitude: 30.440232706011** **Longitude: -89.02615701327312** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 33.6 ft** **Total Depth: 38.6 ft** **Initial Depth to Water: 24.27 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 36.1 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.34 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe= 5.5mg/L H2S= 0.0mg/L

Weather Conditions:
Cloudy 74 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 8:26 AM	00:00	6.14 pH	23.69 °C	7,537.4 µS/cm	1.08 mg/L		-65.0 mV	24.27 ft	400.00 ml/min
4/3/2025 8:31 AM	05:00	6.29 pH	23.52 °C	7,753.3 µS/cm	0.77 mg/L	2.15 NTU	-86.6 mV	24.58 ft	400.00 ml/min
4/3/2025 8:36 AM	10:00	6.31 pH	23.54 °C	7,787.8 µS/cm	0.66 mg/L	0.39 NTU	-98.1 mV	24.61 ft	400.00 ml/min
4/3/2025 8:41 AM	15:00	6.33 pH	23.52 °C	7,798.6 µS/cm	0.61 mg/L	0.33 NTU	-99.8 mV	24.61 ft	400.00 ml/min
4/3/2025 8:46 AM	20:00	6.34 pH	23.53 °C	7,814.9 µS/cm	0.59 mg/L	0.34 NTU	-103.2 mV	24.61 ft	400.00 ml/min
4/3/2025 8:51 AM	25:00	6.36 pH	23.54 °C	7,800.5 µS/cm	0.57 mg/L	0.25 NTU	-106.6 mV	24.61 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-1R	Sample time = 0854

Low-Flow Test Report:

Test Date / Time: 4/3/2025 10:02:52 AM
Project: Watson CCR APMW-2
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-2 **Latitude: 30.440535470431755** **Longitude: -89.02677701471649** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 21.32 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 37.9 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe= 5.0 mg/L H2S= 0.0mg/L

Weather Conditions:
Cloudy 76 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 10:02 AM	00:00	5.94 pH	23.17 °C	6,953.0 µS/cm	0.65 mg/L		-6.3 mV	21.32 ft	400.00 ml/min
4/3/2025 10:07 AM	05:00	5.96 pH	23.23 °C	6,972.5 µS/cm	0.67 mg/L	10.40 NTU	-12.8 mV	21.41 ft	400.00 ml/min
4/3/2025 10:12 AM	10:00	5.97 pH	23.26 °C	6,972.1 µS/cm	0.64 mg/L	7.72 NTU	-17.7 mV	21.49 ft	400.00 ml/min
4/3/2025 10:17 AM	15:00	5.97 pH	23.24 °C	6,981.3 µS/cm	0.62 mg/L	6.40 NTU	-20.3 mV	21.49 ft	400.00 ml/min
4/3/2025 10:22 AM	20:00	5.97 pH	23.22 °C	6,984.8 µS/cm	0.61 mg/L	5.32 NTU	-22.0 mV	21.49 ft	400.00 ml/min
4/3/2025 10:27 AM	25:00	5.98 pH	23.17 °C	6,990.5 µS/cm	0.61 mg/L	4.27 NTU	-23.0 mV	21.49 ft	400.00 ml/min
4/3/2025 10:32 AM	30:00	5.97 pH	23.21 °C	6,995.6 µS/cm	0.60 mg/L	3.74 NTU	-23.9 mV	21.49 ft	400.00 ml/min
4/3/2025 10:37 AM	35:00	5.97 pH	23.21 °C	7,003.6 µS/cm	0.60 mg/L	3.84 NTU	-24.5 mV	21.49 ft	400.00 ml/min
4/3/2025 10:42 AM	40:00	5.97 pH	23.27 °C	7,011.5 µS/cm	0.59 mg/L	2.62 NTU	-25.1 mV	21.49 ft	400.00 ml/min
4/3/2025 10:47 AM	45:00	5.97 pH	23.25 °C	7,017.7 µS/cm	0.59 mg/L	2.39 NTU	-25.5 mV	21.49 ft	400.00 ml/min
4/3/2025 10:52 AM	50:00	5.97 pH	23.30 °C	7,018.5 µS/cm	0.60 mg/L	2.02 NTU	-26.0 mV	21.49 ft	400.00 ml/min
4/3/2025 10:57 AM	55:00	5.97 pH	23.29 °C	7,019.7 µS/cm	0.60 mg/L	1.74 NTU	-26.3 mV	21.49 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2	Sample time = 1059

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 12:36:14 PM
Project: Watson CCR APMW-2D
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-2D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 152.8 ft** **Total Depth: 162.8 ft** **Initial Depth to Water: 14.85 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 157.8 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe = 0.5mg/L H2S= 0.2mg/L

Weather Conditions:
Cloudy 79 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 12:36 PM	00:00	7.37 pH	26.37 °C	185.35 µS/cm	4.23 mg/L		-97.7 mV	14.85 ft	400.00 ml/min
4/3/2025 12:41 PM	05:00	7.59 pH	23.88 °C	185.45 µS/cm	1.30 mg/L	4.61 NTU	-79.9 mV	15.00 ft	400.00 ml/min
4/3/2025 12:46 PM	10:00	7.63 pH	23.69 °C	185.83 µS/cm	0.90 mg/L	3.71 NTU	-99.0 mV	15.00 ft	400.00 ml/min
4/3/2025 12:51 PM	15:00	7.63 pH	23.70 °C	185.06 µS/cm	0.77 mg/L	3.61 NTU	-118.8 mV	15.00 ft	400.00 ml/min
4/3/2025 12:56 PM	20:00	7.62 pH	23.65 °C	185.00 µS/cm	0.70 mg/L	2.43 NTU	-125.4 mV	15.00 ft	400.00 ml/min
4/3/2025 1:01 PM	25:00	7.63 pH	23.69 °C	184.21 µS/cm	0.68 mg/L	2.26 NTU	-128.9 mV	15.00 ft	400.00 ml/min
4/3/2025 1:06 PM	30:00	7.62 pH	23.74 °C	183.19 µS/cm	0.65 mg/L	2.13 NTU	-130.3 mV	15.00 ft	400.00 ml/min
4/3/2025 1:11 PM	35:00	7.62 pH	23.73 °C	183.24 µS/cm	0.63 mg/L	1.34 NTU	-131.3 mV	15.00 ft	400.00 ml/min
4/3/2025 1:16 PM	40:00	7.62 pH	23.79 °C	181.78 µS/cm	0.61 mg/L	1.49 NTU	-131.8 mV	15.00 ft	400.00 ml/min
4/3/2025 1:21 PM	45:00	7.61 pH	23.88 °C	183.47 µS/cm	0.61 mg/L	1.76 NTU	-131.7 mV	15.00 ft	400.00 ml/min
4/3/2025 1:26 PM	50:00	7.62 pH	23.80 °C	182.24 µS/cm	0.61 mg/L	1.64 NTU	-132.2 mV	15.00 ft	400.00 ml/min
4/3/2025 1:31 PM	55:00	7.62 pH	23.75 °C	181.67 µS/cm	0.58 mg/L	1.44 NTU	-132.4 mV	15.00 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2D	Sample time = 1333

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/4/2025 8:09:39 AM
Project: Watson CCR APMW-3
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 7.83 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe = greater than 7.0mg/L. Approximately 8.0mg/L.
H2S = 0.0mg/L

Weather Conditions:
Cloudy/windy 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/4/2025 8:09 AM	00:00	6.46 pH	23.61 °C	27,110 µS/cm	0.87 mg/L		2.2 mV	7.83 ft	400.00 ml/min
4/4/2025 8:14 AM	05:00	6.47 pH	23.42 °C	24,759 µS/cm	0.21 mg/L	3.58 NTU	-9.6 mV	7.80 ft	400.00 ml/min
4/4/2025 8:19 AM	10:00	6.47 pH	23.42 °C	24,284 µS/cm	0.25 mg/L	1.80 NTU	-9.8 mV	7.78 ft	400.00 ml/min
4/4/2025 8:24 AM	15:00	6.48 pH	23.42 °C	24,017 µS/cm	0.35 mg/L	0.97 NTU	-8.8 mV	7.76 ft	400.00 ml/min
4/4/2025 8:29 AM	20:00	6.49 pH	23.47 °C	23,744 µS/cm	0.42 mg/L	0.81 NTU	-8.0 mV	7.76 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3	Sample time 0834

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/4/2025 9:33:44 AM
Project: Watson CCR APMW-3D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 88.1 ft** **Total Depth: 93.1 ft** **Initial Depth to Water: 7.18 ft**	**Pump Type: P.P.** **Tubing Type: PE** **Pump Intake From TOC: 90.6 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.87 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe = 0.59mg/L
H2S = 0.1mg/L

Weather Conditions:
Cloudy/windy 76

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/4/2025 9:33 AM	00:00	7.18 pH	24.50 °C	248.11 µS/cm	2.34 mg/L		34.7 mV	7.18 ft	400.00 ml/min
4/4/2025 9:38 AM	05:00	6.93 pH	23.17 °C	243.04 µS/cm	0.35 mg/L	4.14 NTU	42.3 mV	8.93 ft	400.00 ml/min
4/4/2025 9:43 AM	10:00	6.88 pH	23.03 °C	221.54 µS/cm	0.23 mg/L	2.16 NTU	8.1 mV	9.04 ft	400.00 ml/min
4/4/2025 9:48 AM	15:00	6.86 pH	23.05 °C	211.15 µS/cm	0.19 mg/L	1.54 NTU	-3.4 mV	9.03 ft	400.00 ml/min
4/4/2025 9:53 AM	20:00	6.85 pH	23.01 °C	213.08 µS/cm	0.17 mg/L	1.11 NTU	-8.2 mV	9.05 ft	400.00 ml/min
4/4/2025 9:58 AM	25:00	6.84 pH	23.01 °C	208.63 µS/cm	0.16 mg/L	0.70 NTU	-9.9 mV	9.05 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3D	Sample time 1002

Low-Flow Test Report:

Test Date / Time: 4/3/2025 10:00:51 AM
Project: Watson CCR APMW-4
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4 **Latitude: 30.43059065256619** **Longitude: -89.0062157238841** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27 ft** **Total Depth: 37 ft** **Initial Depth to Water: 12.34 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe=2.36mg/L
H2S= 8.0mg/L

Weather Conditions:
Cloudy/windy 77

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 10:00 AM	00:00	7.12 pH	25.66 °C	6,735.9 µS/cm	5.36 mg/L		-27.0 mV	12.34 ft	400.00 ml/min
4/3/2025 10:05 AM	05:00	6.34 pH	22.70 °C	7,149.0 µS/cm	0.35 mg/L	0.88 NTU	-153.3 mV	12.28 ft	400.00 ml/min
4/3/2025 10:10 AM	10:00	6.33 pH	22.54 °C	7,001.4 µS/cm	0.22 mg/L	0.81 NTU	-111.1 mV	12.25 ft	400.00 ml/min
4/3/2025 10:15 AM	15:00	6.32 pH	22.51 °C	6,952.8 µS/cm	0.19 mg/L	0.67 NTU	-117.9 mV	12.23 ft	400.00 ml/min
4/3/2025 10:20 AM	20:00	6.31 pH	22.49 °C	6,934.7 µS/cm	0.17 mg/L	0.66 NTU	-153.1 mV	12.22 ft	400.00 ml/min
4/3/2025 10:25 AM	25:00	6.31 pH	22.48 °C	6,912.1 µS/cm	0.16 mg/L	0.78 NTU	-145.2 mV	12.19 ft	400.00 ml/min
4/3/2025 10:30 AM	30:00	6.31 pH	22.51 °C	6,906.6 µS/cm	0.16 mg/L	0.67 NTU	-145.6 mV	12.17 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4	Sample time 1034

Dup-03	Fake sample time 0934
FB-01	Sample time 0933
EB-01	Sample time 0944

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 8:22:39 AM
Project: Watson CCR APMW-4D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.3 ft** **Total Depth: 100.3 ft** **Initial Depth to Water: 10.97 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 95.3 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe= 5.5mg/L
H2S= 0.0mg/L

Weather Conditions:
Cloudy/windy 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 8:22 AM	00:00	6.63 pH	23.87 °C	20,348 µS/cm	2.79 mg/L		-1.4 mV	10.97 ft	400.00 ml/min
4/3/2025 8:27 AM	05:00	6.63 pH	22.25 °C	21,809 µS/cm	0.28 mg/L	2.80 NTU	-37.9 mV	11.09 ft	400.00 ml/min
4/3/2025 8:32 AM	10:00	6.66 pH	22.12 °C	21,824 µS/cm	0.22 mg/L	1.39 NTU	-14.1 mV	11.09 ft	400.00 ml/min
4/3/2025 8:37 AM	15:00	6.67 pH	22.12 °C	21,898 µS/cm	0.20 mg/L	0.93 NTU	-14.8 mV	11.09 ft	400.00 ml/min
4/3/2025 8:42 AM	20:00	6.68 pH	22.15 °C	21,865 µS/cm	0.19 mg/L	0.80 NTU	-14.7 mV	11.09 ft	400.00 ml/min
4/3/2025 8:47 AM	25:00	6.69 pH	22.16 °C	21,875 µS/cm	0.18 mg/L	0.76 NTU	-15.2 mV	11.09 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4D	Sample time 0850

Low-Flow Test Report:

Test Date / Time: 4/3/2025 1:51:50 PM
Project: Watson CCR APMW-5
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 7.19 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe = greater than 7.0mg/L. Approximately 7.5mg/L
H2S= 0.0mg/L

Weather Conditions:
Cloudy/windy 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 1:51 PM	00:00	6.31 pH	27.23 °C	17,959 µS/cm	3.71 mg/L		17.8 mV	7.19 ft	400.00 ml/min
4/3/2025 1:56 PM	05:00	6.31 pH	23.48 °C	18,376 µS/cm	0.20 mg/L	0.82 NTU	-4.6 mV	7.22 ft	400.00 ml/min
4/3/2025 2:01 PM	10:00	6.32 pH	23.33 °C	18,540 µS/cm	0.15 mg/L	0.65 NTU	-4.3 mV	7.23 ft	400.00 ml/min
4/3/2025 2:06 PM	15:00	6.32 pH	23.33 °C	18,555 µS/cm	0.14 mg/L	0.60 NTU	-4.0 mV	7.23 ft	400.00 ml/min
4/3/2025 2:11 PM	20:00	6.33 pH	23.28 °C	18,602 µS/cm	0.13 mg/L	0.64 NTU	-3.0 mV	7.23 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5	Sample time 1415

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 12:26:31 PM
Project: Watson CCR APMW-5D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 106 ft** **Total Depth: 111 ft** **Initial Depth to Water: 7.75 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 18000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.39 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe= 0.89mg/L
H2S=0.0mg/L

Weather Conditions:
Cloudy/windy 79

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 12:26 PM	00:00	6.56 pH	23.38 °C	162.22 µS/cm	0.32 mg/L		-2.3 mV	7.75 ft	400.00 ml/min
4/3/2025 12:31 PM	05:00	6.62 pH	23.10 °C	162.64 µS/cm	0.22 mg/L	4.24 NTU	-4.0 mV	9.12 ft	400.00 ml/min
4/3/2025 12:36 PM	10:00	6.63 pH	23.02 °C	159.56 µS/cm	0.18 mg/L	3.22 NTU	-3.1 mV	10.07 ft	400.00 ml/min
4/3/2025 12:41 PM	15:00	6.63 pH	23.07 °C	159.36 µS/cm	0.18 mg/L	2.94 NTU	-2.5 mV	10.12 ft	400.00 ml/min
4/3/2025 12:46 PM	20:00	6.63 pH	23.06 °C	158.67 µS/cm	0.16 mg/L	3.56 NTU	-1.5 mV	10.14 ft	400.00 ml/min
4/3/2025 12:51 PM	25:00	6.63 pH	22.96 °C	157.48 µS/cm	0.16 mg/L	3.68 NTU	0.2 mV	10.14 ft	400.00 ml/min
4/3/2025 12:56 PM	30:00	6.63 pH	22.96 °C	156.93 µS/cm	0.14 mg/L	3.99 NTU	1.5 mV	10.14 ft	400.00 ml/min
4/3/2025 1:01 PM	35:00	6.64 pH	23.02 °C	157.42 µS/cm	0.14 mg/L	3.85 NTU	2.0 mV	10.14 ft	400.00 ml/min
4/3/2025 1:06 PM	40:00	6.64 pH	23.04 °C	157.91 µS/cm	0.14 mg/L	3.60 NTU	3.0 mV	10.14 ft	400.00 ml/min
4/3/2025 1:11 PM	45:00	6.63 pH	23.06 °C	159.42 µS/cm	0.14 mg/L	3.56 NTU	3.7 mV	10.14 ft	400.00 ml/min

Samples

Sample ID:	Description:

APMW-5D	Sample time 1315

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/31/2025 1:51:45 PM
Project: Watson CCR APMW-6R
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-6R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.8 ft** **Total Depth: 51.8 ft** **Initial Depth to Water: 7.64 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.8 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:
Ferrous Fe = 2.0 mg/L
H2S = 0 mg/L

Weather Conditions:
Partly cloudy, 67 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/31/2025 1:51 PM	00:00	4.03 pH	18.56 °C	9,742.0 µS/cm	2.61 mg/L		243.9 mV	7.64 ft	400.00 ml/min
3/31/2025 1:56 PM	05:00	4.40 pH	16.02 °C	10,340 µS/cm	0.23 mg/L	7.20 NTU	166.5 mV	9.54 ft	400.00 ml/min
3/31/2025 2:01 PM	10:00	5.13 pH	15.66 °C	10,796 µS/cm	0.18 mg/L	4.81 NTU	124.5 mV	9.69 ft	400.00 ml/min
3/31/2025 2:06 PM	15:00	5.30 pH	15.73 °C	11,209 µS/cm	0.17 mg/L	4.59 NTU	101.4 mV	9.78 ft	400.00 ml/min
3/31/2025 2:11 PM	20:00	5.41 pH	15.67 °C	11,250 µS/cm	0.16 mg/L	4.54 NTU	95.0 mV	9.79 ft	400.00 ml/min
3/31/2025 2:16 PM	25:00	5.44 pH	15.81 °C	11,470 µS/cm	0.15 mg/L	4.18 NTU	85.4 mV	9.82 ft	400.00 ml/min
3/31/2025 2:21 PM	30:00	5.44 pH	15.66 °C	11,451 µS/cm	0.15 mg/L	3.75 NTU	86.5 mV	9.83 ft	400.00 ml/min
3/31/2025 2:26 PM	35:00	5.45 pH	15.82 °C	11,619 µS/cm	0.15 mg/L	3.74 NTU	84.4 mV	9.86 ft	400.00 ml/min
3/31/2025 2:31 PM	40:00	5.44 pH	15.76 °C	11,584 µS/cm	0.15 mg/L	3.57 NTU	84.4 mV	9.88 ft	400.00 ml/min
3/31/2025 2:36 PM	45:00	5.47 pH	15.83 °C	11,653 µS/cm	0.14 mg/L	3.57 NTU	80.2 mV	9.88 ft	400.00 ml/min
3/31/2025 2:41 PM	50:00	5.48 pH	15.78 °C	11,516 µS/cm	0.14 mg/L	3.05 NTU	77.2 mV	9.88 ft	400.00 ml/min
3/31/2025 2:46 PM	55:00	5.48 pH	15.71 °C	11,764 µS/cm	0.14 mg/L	2.90 NTU	76.4 mV	9.88 ft	400.00 ml/min
3/31/2025 2:51 PM	01:00:00	5.47 pH	15.77 °C	11,704 µS/cm	0.14 mg/L	2.67 NTU	74.7 mV	9.88 ft	400.00 ml/min

3/31/2025 2:56 PM	01:05:00	5.51 pH	15.73 °C	11,842 µS/cm	0.14 mg/L	2.65 NTU	71.6 mV	9.88 ft	400.00 ml/min
3/31/2025 3:01 PM	01:10:00	5.50 pH	15.77 °C	11,823 µS/cm	0.14 mg/L	2.32 NTU	70.0 mV	9.91 ft	400.00 ml/min
3/31/2025 3:06 PM	01:15:00	5.52 pH	15.64 °C	11,887 µS/cm	0.14 mg/L	2.37 NTU	71.7 mV	9.91 ft	400.00 ml/min
3/31/2025 3:11 PM	01:20:00	5.49 pH	15.75 °C	11,734 µS/cm	0.13 mg/L	2.37 NTU	68.2 mV	9.91 ft	400.00 ml/min
3/31/2025 3:16 PM	01:25:00	5.48 pH	15.73 °C	11,658 µS/cm	0.13 mg/L	2.38 NTU	70.2 mV	9.91 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6R	Sample time = 1526
DUP-01	Fake Sample Time = 1426

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/4/2025 1:34:59 PM
Project: Watson CCR APMW-6D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-6D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 100.9 ft** **Total Depth: 105.9 ft** **Initial Depth to Water: 7.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 103.4 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe = 1.18mg/L
H2S = 0.0mg/L

Weather Conditions:
Cloudy/windy 79

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/4/2025 1:34 PM	00:00	6.72 pH	26.31 °C	396.55 µS/cm	5.20 mg/L		6.6 mV	7.91 ft	400.00 ml/min
4/4/2025 1:39 PM	05:00	7.00 pH	23.39 °C	452.84 µS/cm	0.29 mg/L	10.10 NTU	-72.9 mV	9.14 ft	400.00 ml/min
4/4/2025 1:44 PM	10:00	6.98 pH	23.22 °C	435.55 µS/cm	0.23 mg/L	0.91 NTU	-30.2 mV	9.24 ft	400.00 ml/min
4/4/2025 1:49 PM	15:00	6.95 pH	23.14 °C	419.37 µS/cm	0.20 mg/L	0.48 NTU	-25.4 mV	9.29 ft	400.00 ml/min
4/4/2025 1:54 PM	20:00	6.93 pH	23.28 °C	404.69 µS/cm	0.18 mg/L	0.48 NTU	-22.7 mV	9.30 ft	400.00 ml/min
4/4/2025 1:59 PM	25:00	6.93 pH	23.20 °C	392.09 µS/cm	0.18 mg/L	0.45 NTU	-56.7 mV	9.31 ft	400.00 ml/min
4/4/2025 2:04 PM	30:00	6.91 pH	23.39 °C	388.58 µS/cm	0.17 mg/L	0.32 NTU	-18.2 mV	9.31 ft	400.00 ml/min
4/4/2025 2:09 PM	35:00	6.90 pH	23.26 °C	376.88 µS/cm	0.16 mg/L	0.26 NTU	-15.0 mV	9.31 ft	400.00 ml/min
4/4/2025 2:14 PM	40:00	6.89 pH	23.17 °C	371.96 µS/cm	0.16 mg/L	0.32 NTU	-13.2 mV	9.31 ft	400.00 ml/min
4/4/2025 2:19 PM	45:00	6.88 pH	23.03 °C	363.29 µS/cm	0.15 mg/L	0.29 NTU	-10.7 mV	9.31 ft	400.00 ml/min
4/4/2025 2:24 PM	50:00	6.87 pH	22.97 °C	357.84 µS/cm	0.15 mg/L	0.23 NTU	-9.4 mV	9.31 ft	400.00 ml/min
4/4/2025 2:29 PM	55:00	6.86 pH	22.97 °C	354.70 µS/cm	0.15 mg/L	0.34 NTU	-8.0 mV	9.31 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6D	Sample time 1434

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/4/2025 11:04:19 AM
Project: WATSON CCR APMW-7
Operator Name: Rick Hagendorfer

Location Name: WATSON CCR APMW-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 12.03 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 32.4 ft** **Estimated Total Volume Pumped: 10526.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.48 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1205621**

Test Notes:
Ferrous Fe = 0.17mg/L
H2S = 9.0mg/L

Weather Conditions:
Cloudy/Windy 77

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/4/2025 11:04 AM	00:00		22.82 °C					12.03 ft	400.00 ml/min
4/4/2025 11:05 AM	01:19	6.35 pH	22.72 °C	12,185 µS/cm	0.17 mg/L		-163.3 mV	12.03 ft	400.00 ml/min
4/4/2025 11:10 AM	06:19	6.33 pH	22.69 °C	12,544 µS/cm	0.13 mg/L	0.66 NTU	-113.4 mV	12.49 ft	400.00 ml/min
4/4/2025 11:15 AM	11:19	6.34 pH	22.66 °C	12,504 µS/cm	0.12 mg/L	0.34 NTU	-115.4 mV	12.51 ft	400.00 ml/min
4/4/2025 11:20 AM	16:19	6.34 pH	22.67 °C	12,572 µS/cm	0.11 mg/L	0.30 NTU	-118.1 mV	12.51 ft	400.00 ml/min
4/4/2025 11:25 AM	21:19	6.34 pH	22.71 °C	12,506 µS/cm	0.11 mg/L	0.28 NTU	-123.3 mV	12.51 ft	400.00 ml/min
4/4/2025 11:30 AM	26:19	6.35 pH	22.75 °C	12,599 µS/cm	0.11 mg/L	0.32 NTU	-130.6 mV	12.51 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-7	Sample time 1135
Dup-04	Fake sample time 1035

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 1:00:20 PM
Project: Watson CCR APMW-8
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.8 ft** **Total Depth: 42.8 ft** **Initial Depth to Water: 18.95 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.8 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:
Data Sonde in well
Ferrous Fe = 1.5 mg/L
H2S = 0.0 mg/L

Weather Conditions:
Cloudy, 78 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 1:00 PM	00:00	6.53 pH	17.76 °C	11,516 µS/cm	3.49 mg/L		-11.6 mV	18.95 ft	400.00 ml/min
4/3/2025 1:05 PM	05:00	6.67 pH	15.95 °C	12,120 µS/cm	0.58 mg/L	8.00 NTU	-33.0 mV	18.95 ft	400.00 ml/min
4/3/2025 1:10 PM	10:00	6.68 pH	15.45 °C	12,196 µS/cm	0.35 mg/L	8.94 NTU	-47.3 mV	18.95 ft	400.00 ml/min
4/3/2025 1:15 PM	15:00	6.69 pH	15.51 °C	12,163 µS/cm	0.31 mg/L	6.85 NTU	-43.9 mV	18.95 ft	400.00 ml/min
4/3/2025 1:20 PM	20:00	6.69 pH	15.61 °C	12,103 µS/cm	0.29 mg/L	5.21 NTU	-26.8 mV	18.94 ft	400.00 ml/min
4/3/2025 1:25 PM	25:00	6.69 pH	15.37 °C	12,146 µS/cm	0.27 mg/L	4.40 NTU	-40.1 mV	18.94 ft	400.00 ml/min
4/3/2025 1:30 PM	30:00	6.69 pH	15.48 °C	12,073 µS/cm	0.26 mg/L	4.09 NTU	-24.4 mV	18.93 ft	400.00 ml/min
4/3/2025 1:35 PM	35:00	6.69 pH	15.37 °C	12,115 µS/cm	0.26 mg/L	2.78 NTU	-37.9 mV	18.93 ft	400.00 ml/min
4/3/2025 1:40 PM	40:00	6.69 pH	15.59 °C	12,027 µS/cm	0.24 mg/L	2.85 NTU	-22.9 mV	18.90 ft	400.00 ml/min
4/3/2025 1:45 PM	45:00	6.69 pH	15.38 °C	12,069 µS/cm	0.25 mg/L	2.16 NTU	-36.0 mV	18.90 ft	400.00 ml/min
4/3/2025 1:50 PM	50:00	6.69 pH	15.44 °C	12,052 µS/cm	0.24 mg/L	1.80 NTU	-21.6 mV	18.88 ft	400.00 ml/min
4/3/2025 1:55 PM	55:00	6.69 pH	15.39 °C	12,096 µS/cm	0.23 mg/L	1.69 NTU	-33.7 mV	18.86 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8	Sample time = 1400

Low-Flow Test Report:

Test Date / Time: 4/10/2025 9:54:56 AM
Project: Watson CCR APMW-8D
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-8D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 87.5 ft** **Total Depth: 92.5 ft** **Initial Depth to Water: 20.85 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 26000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe =3.0mg/L H2S=0.0mg/L

Weather Conditions:
Sunny 64 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/10/2025 9:54 AM	00:00	6.74 pH	21.15 °C	242.62 µS/cm	1.73 mg/L		-65.5 mV	20.85 ft	400.00 ml/min
4/10/2025 9:59 AM	05:00	6.78 pH	21.73 °C	238.14 µS/cm	0.44 mg/L	7.00 NTU	-74.6 mV	20.95 ft	400.00 ml/min
4/10/2025 10:04 AM	10:00	6.78 pH	21.87 °C	219.58 µS/cm	0.29 mg/L	2.66 NTU	-70.7 mV	20.95 ft	400.00 ml/min
4/10/2025 10:09 AM	15:00	6.77 pH	21.85 °C	203.85 µS/cm	0.26 mg/L	1.20 NTU	-66.5 mV	20.95 ft	400.00 ml/min
4/10/2025 10:14 AM	20:00	6.76 pH	21.90 °C	194.21 µS/cm	0.25 mg/L	1.11 NTU	-63.4 mV	20.95 ft	400.00 ml/min
4/10/2025 10:19 AM	25:00	6.75 pH	21.95 °C	179.96 µS/cm	0.24 mg/L	1.52 NTU	-59.4 mV	20.95 ft	400.00 ml/min
4/10/2025 10:24 AM	30:00	6.73 pH	22.00 °C	169.65 µS/cm	0.23 mg/L	1.63 NTU	-56.3 mV	20.95 ft	400.00 ml/min
4/10/2025 10:29 AM	35:00	6.72 pH	22.08 °C	165.77 µS/cm	0.23 mg/L	0.90 NTU	-53.6 mV	20.95 ft	400.00 ml/min
4/10/2025 10:34 AM	40:00	6.71 pH	22.02 °C	168.35 µS/cm	0.22 mg/L	1.12 NTU	-52.2 mV	20.95 ft	400.00 ml/min
4/10/2025 10:39 AM	45:00	6.69 pH	22.08 °C	161.42 µS/cm	0.21 mg/L	1.65 NTU	-50.5 mV	20.95 ft	400.00 ml/min
4/10/2025 10:44 AM	50:00	6.68 pH	22.14 °C	160.68 µS/cm	0.21 mg/L	2.55 NTU	-49.4 mV	20.95 ft	400.00 ml/min
4/10/2025 10:49 AM	55:00	6.66 pH	22.18 °C	160.06 µS/cm	0.21 mg/L	1.68 NTU	-48.1 mV	20.95 ft	400.00 ml/min
4/10/2025 10:54 AM	01:00:00	6.67 pH	22.27 °C	156.67 µS/cm	0.21 mg/L	1.67 NTU	-47.7 mV	20.95 ft	400.00 ml/min

4/10/2025 10:59 AM	01:05:00	6.67 pH	22.22 °C	154.71 µS/cm	0.21 mg/L	1.12 NTU	-47.8 mV	20.95 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8D	Sample time = 1101

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Low-Flow Test Report:

Test Date / Time: 4/3/2025 11:22:34 AM
Project: Watson CCR APMW-9
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.5 ft** **Total Depth: 42.5 ft** **Initial Depth to Water: 20.79 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.5 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:
Ferrous Fe = 2.0 mg/L
H2S =.0 mg/L

Weather Conditions:
Cloudy, 77 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 11:22 AM	00:00	6.29 pH	17.59 °C	8,742.9 µS/cm	1.84 mg/L		6.9 mV	20.79 ft	400.00 ml/min
4/3/2025 11:27 AM	05:00	6.31 pH	16.70 °C	9,019.8 µS/cm	0.26 mg/L	4.34 NTU	-12.1 mV	20.85 ft	400.00 ml/min
4/3/2025 11:32 AM	10:00	6.31 pH	15.82 °C	9,223.6 µS/cm	0.22 mg/L	2.53 NTU	-23.0 mV	20.84 ft	400.00 ml/min
4/3/2025 11:37 AM	15:00	6.31 pH	15.81 °C	9,232.1 µS/cm	0.21 mg/L	1.03 NTU	-13.9 mV	20.83 ft	400.00 ml/min
4/3/2025 11:42 AM	20:00	6.31 pH	15.73 °C	9,263.7 µS/cm	0.21 mg/L	0.86 NTU	-13.9 mV	20.81 ft	400.00 ml/min
4/3/2025 11:47 AM	25:00	6.31 pH	15.55 °C	9,314.6 µS/cm	0.21 mg/L	0.80 NTU	-22.3 mV	20.79 ft	400.00 ml/min
4/3/2025 11:52 AM	30:00	6.32 pH	15.64 °C	9,298.5 µS/cm	0.21 mg/L	0.64 NTU	-13.2 mV	20.78 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-9	Sample time = 1157

Low-Flow Test Report:

Test Date / Time: 4/2/2025 2:00:13 PM
Project: Watson CCR APMW-10
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.9 ft** **Total Depth: 32.9 ft** **Initial Depth to Water: 18.74 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 27.9 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:
Ferrous iron = 1.5 mg/ L
H2S = 0 mg/L

Weather Conditions:
Cloudy with Wind, 77 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/2/2025 2:00 PM	00:00	6.60 pH	17.75 °C	2,201.3 µS/cm	1.25 mg/L		-27.4 mV	18.74 ft	400.00 ml/min
4/2/2025 2:05 PM	05:00	6.68 pH	16.07 °C	2,237.4 µS/cm	0.26 mg/L	2.42 NTU	-49.3 mV	18.81 ft	400.00 ml/min
4/2/2025 2:10 PM	10:00	6.72 pH	15.78 °C	2,238.2 µS/cm	0.20 mg/L	1.75 NTU	-65.0 mV	18.81 ft	400.00 ml/min
4/2/2025 2:15 PM	15:00	6.75 pH	15.83 °C	2,229.9 µS/cm	0.18 mg/L	1.73 NTU	-57.1 mV	18.81 ft	400.00 ml/min
4/2/2025 2:20 PM	20:00	6.78 pH	15.73 °C	2,237.2 µS/cm	0.17 mg/L	0.97 NTU	-71.5 mV	18.81 ft	400.00 ml/min
4/2/2025 2:25 PM	25:00	6.80 pH	15.80 °C	2,238.3 µS/cm	0.17 mg/L	0.79 NTU	-61.4 mV	18.81 ft	400.00 ml/min
4/2/2025 2:30 PM	30:00	6.84 pH	15.60 °C	2,270.2 µS/cm	0.17 mg/L	0.80 NTU	-77.8 mV	18.81 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10	Sample time = 1435
DUP-02	Fake sample time = 1335

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 9:00:11 AM
Project: Watson CCR APMW-10D
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-10D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 201.4 ft** **Total Depth: 206.4 ft** **Initial Depth to Water: 14.63 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 203.9 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:
Ferrous Fe = .02 mg/L
H2S =.05 mg/L

Weather Conditions:
Cloudy, 74 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/3/2025 9:00 AM	00:00	8.39 pH	17.73 °C	239.90 µS/cm	2.84 mg/L		50.5 mV	14.63 ft	400.00 ml/min
4/3/2025 9:05 AM	05:00	8.58 pH	16.27 °C	242.56 µS/cm	0.55 mg/L	2.49 NTU	31.0 mV	15.06 ft	400.00 ml/min
4/3/2025 9:10 AM	10:00	8.63 pH	15.73 °C	244.12 µS/cm	0.44 mg/L	2.34 NTU	15.3 mV	15.06 ft	400.00 ml/min
4/3/2025 9:15 AM	15:00	8.68 pH	15.64 °C	235.45 µS/cm	0.40 mg/L	2.62 NTU	-0.2 mV	15.06 ft	400.00 ml/min
4/3/2025 9:20 AM	20:00	8.69 pH	15.60 °C	235.13 µS/cm	0.32 mg/L	2.45 NTU	-15.0 mV	15.06 ft	400.00 ml/min
4/3/2025 9:25 AM	25:00	8.71 pH	15.71 °C	233.02 µS/cm	0.29 mg/L	1.82 NTU	-22.1 mV	15.06 ft	400.00 ml/min
4/3/2025 9:30 AM	30:00	8.69 pH	15.55 °C	231.05 µS/cm	0.27 mg/L	2.20 NTU	-43.5 mV	15.06 ft	400.00 ml/min
4/3/2025 9:35 AM	35:00	8.69 pH	15.55 °C	232.93 µS/cm	0.26 mg/L	2.57 NTU	-54.8 mV	15.06 ft	400.00 ml/min
4/3/2025 9:40 AM	40:00	8.69 pH	15.57 °C	232.18 µS/cm	0.25 mg/L	2.00 NTU	-66.4 mV	15.06 ft	400.00 ml/min
4/3/2025 9:45 AM	45:00	8.70 pH	15.55 °C	232.65 µS/cm	0.24 mg/L	2.50 NTU	-80.2 mV	15.06 ft	400.00 ml/min
4/3/2025 9:50 AM	50:00	8.72 pH	15.63 °C	229.93 µS/cm	0.23 mg/L	1.70 NTU	-72.5 mV	15.06 ft	400.00 ml/min
4/3/2025 9:55 AM	55:00	8.69 pH	15.51 °C	231.20 µS/cm	0.22 mg/L	2.28 NTU	-103.3 mV	15.06 ft	400.00 ml/min
4/3/2025 10:00 AM	01:00:00	8.72 pH	15.53 °C	230.02 µS/cm	0.21 mg/L	1.90 NTU	-118.6 mV	15.05 ft	400.00 ml/min

4/3/2025 10:05 AM	01:05:00	8.70 pH	15.66 °C	227.02 µS/cm	0.21 mg/L	1.94 NTU	-95.8 mV	15.05 ft	400.00 ml/min
4/3/2025 10:10 AM	01:10:00	8.68 pH	15.62 °C	227.52 µS/cm	0.20 mg/L	2.12 NTU	-97.5 mV	15.04 ft	400.00 ml/min
4/3/2025 10:15 AM	01:15:00	8.68 pH	15.51 °C	230.68 µS/cm	0.20 mg/L	2.06 NTU	-138.4 mV	15.01 ft	400.00 ml/min
4/3/2025 10:20 AM	01:20:00	8.71 pH	15.48 °C	232.25 µS/cm	0.19 mg/L	1.27 NTU	-143.9 mV	15.01 ft	400.00 ml/min
4/3/2025 10:25 AM	01:25:00	8.70 pH	15.50 °C	230.53 µS/cm	0.19 mg/L	1.08 NTU	-149.7 mV	15.00 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10D	Sample time = 1030

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/2/2025 1:07:00 PM
Project: Watson CCR APMW-11
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.6 ft** **Total Depth: 51.6 ft** **Initial Depth to Water: 17.69 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.6 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe=2.0 mg/L H2S= 0.0 mg/L

Weather Conditions:
Cloudy 79 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/2/2025 1:07 PM	00:00	5.75 pH	25.44 °C	107.27 µS/cm	1.83 mg/L		43.7 mV	17.69 ft	400.00 ml/min
4/2/2025 1:12 PM	05:00	6.10 pH	23.82 °C	110.68 µS/cm	0.81 mg/L	6.18 NTU	18.4 mV	17.74 ft	400.00 ml/min
4/2/2025 1:17 PM	10:00	6.19 pH	23.71 °C	111.39 µS/cm	0.72 mg/L	3.80 NTU	11.0 mV	17.74 ft	400.00 ml/min
4/2/2025 1:22 PM	15:00	6.23 pH	23.71 °C	110.87 µS/cm	0.68 mg/L	3.21 NTU	5.7 mV	17.74 ft	400.00 ml/min
4/2/2025 1:27 PM	20:00	6.25 pH	23.64 °C	110.45 µS/cm	0.66 mg/L	2.00 NTU	2.0 mV	17.74 ft	400.00 ml/min
4/2/2025 1:32 PM	25:00	6.27 pH	23.68 °C	110.17 µS/cm	0.64 mg/L	1.33 NTU	-1.6 mV	17.74 ft	400.00 ml/min
4/2/2025 1:37 PM	30:00	6.29 pH	23.59 °C	109.65 µS/cm	0.63 mg/L	1.28 NTU	-3.8 mV	17.74 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-11	Sample time= 1338

Low-Flow Test Report:

Test Date / Time: 4/2/2025 2:52:43 PM
Project: Watson CCR APMW-12
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.1 ft** **Total Depth: 54.1 ft** **Initial Depth to Water: 15.35 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 49.1 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous Fe= 3.5mg/L H2S= 0.0mg/L

Weather Conditions:
Cloudy 78 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/2/2025 2:52 PM	00:00	6.33 pH	24.64 °C	151.78 µS/cm	1.55 mg/L		3.2 mV	15.35 ft	400.00 ml/min
4/2/2025 2:57 PM	05:00	6.30 pH	23.33 °C	155.92 µS/cm	0.90 mg/L	1.50 NTU	-3.0 mV	15.39 ft	400.00 ml/min
4/2/2025 3:02 PM	10:00	6.31 pH	23.25 °C	155.83 µS/cm	0.74 mg/L	2.90 NTU	-3.2 mV	15.40 ft	400.00 ml/min
4/2/2025 3:07 PM	15:00	6.31 pH	23.17 °C	157.67 µS/cm	0.70 mg/L	1.75 NTU	-4.8 mV	15.40 ft	400.00 ml/min
4/2/2025 3:12 PM	20:00	6.32 pH	23.18 °C	158.05 µS/cm	0.66 mg/L	1.20 NTU	-6.7 mV	15.40 ft	400.00 ml/min
4/2/2025 3:17 PM	25:00	6.32 pH	23.16 °C	158.56 µS/cm	0.65 mg/L	1.06 NTU	-8.7 mV	15.40 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-12	Sample time = 1519

Low-Flow Test Report:

Test Date / Time: 4/8/2025 1:45:23 PM
Project: Watson CCR APMW-13 (2)
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 2.68 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 40000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
H2S=0.0mg/L Ferrous Fe=3.5mg/L

Weather Conditions:
Sunny 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/8/2025 1:45 PM	00:00	6.15 pH	25.73 °C	5,126.0 µS/cm	1.87 mg/L		-29.2 mV	2.68 ft	400.00 ml/min
4/8/2025 1:50 PM	05:00	6.17 pH	21.86 °C	5,470.7 µS/cm	0.47 mg/L	253.00 NTU	-30.7 mV	2.80 ft	400.00 ml/min
4/8/2025 1:55 PM	10:00	6.17 pH	21.76 °C	5,469.2 µS/cm	0.40 mg/L	478.00 NTU	-30.4 mV	2.82 ft	400.00 ml/min
4/8/2025 2:00 PM	15:00	6.17 pH	21.74 °C	5,444.8 µS/cm	0.36 mg/L	220.00 NTU	-34.0 mV	2.81 ft	400.00 ml/min
4/8/2025 2:05 PM	20:00	6.17 pH	21.78 °C	5,439.2 µS/cm	0.34 mg/L	69.00 NTU	-35.9 mV	2.81 ft	400.00 ml/min
4/8/2025 2:10 PM	25:00	6.17 pH	21.82 °C	5,423.5 µS/cm	0.34 mg/L	29.10 NTU	-38.8 mV	2.82 ft	400.00 ml/min
4/8/2025 2:15 PM	30:00	6.17 pH	21.79 °C	5,413.9 µS/cm	0.33 mg/L	24.70 NTU	-39.7 mV	2.82 ft	400.00 ml/min
4/8/2025 2:20 PM	35:00	6.17 pH	21.82 °C	5,420.5 µS/cm	0.32 mg/L	19.10 NTU	-41.9 mV	2.83 ft	400.00 ml/min
4/8/2025 2:25 PM	40:00	6.17 pH	21.86 °C	5,412.6 µS/cm	0.31 mg/L	11.30 NTU	-42.7 mV	2.83 ft	400.00 ml/min
4/8/2025 2:30 PM	45:00	6.16 pH	21.82 °C	5,410.1 µS/cm	0.31 mg/L	12.80 NTU	-43.3 mV	2.85 ft	400.00 ml/min
4/8/2025 2:35 PM	50:00	6.16 pH	21.84 °C	5,406.7 µS/cm	0.31 mg/L	10.30 NTU	-44.4 mV	2.86 ft	400.00 ml/min
4/8/2025 2:40 PM	55:00	6.16 pH	21.82 °C	5,402.7 µS/cm	0.31 mg/L	8.22 NTU	-45.8 mV	2.89 ft	400.00 ml/min
4/8/2025 2:45 PM	01:00:00	6.16 pH	21.82 °C	5,422.2 µS/cm	0.31 mg/L	12.80 NTU	-46.1 mV	2.90 ft	400.00 ml/min

4/8/2025 2:50 PM	01:05:00	6.16 pH	21.82 °C	5,425.1 µS/cm	0.31 mg/L	9.37 NTU	-46.0 mV	2.90 ft	400.00 ml/min
4/8/2025 2:55 PM	01:10:00	6.16 pH	21.82 °C	5,422.2 µS/cm	0.31 mg/L	5.68 NTU	-47.2 mV	2.90 ft	400.00 ml/min
4/8/2025 3:00 PM	01:15:00	6.16 pH	21.80 °C	5,423.1 µS/cm	0.31 mg/L	8.73 NTU	-47.3 mV	2.92 ft	400.00 ml/min
4/8/2025 3:05 PM	01:20:00	6.16 pH	21.76 °C	5,427.6 µS/cm	0.30 mg/L	5.01 NTU	-46.9 mV	2.93 ft	400.00 ml/min
4/8/2025 3:10 PM	01:25:00	6.17 pH	21.82 °C	5,430.7 µS/cm	0.30 mg/L	2.61 NTU	-48.2 mV	2.94 ft	400.00 ml/min
4/8/2025 3:15 PM	01:30:00	6.17 pH	21.80 °C	5,429.9 µS/cm	0.30 mg/L	4.07 NTU	-47.7 mV	2.96 ft	400.00 ml/min
4/8/2025 3:20 PM	01:35:00	6.17 pH	21.73 °C	5,428.7 µS/cm	0.30 mg/L	3.81 NTU	-48.7 mV	2.98 ft	400.00 ml/min
4/8/2025 3:25 PM	01:40:00	6.17 pH	21.72 °C	5,430.1 µS/cm	0.30 mg/L	2.84 NTU	-49.2 mV	2.99 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-13	Sample time =1527

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/8/2025 11:30:52 AM
Project: Watson CCR APMW-14
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 2.89 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 36000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Reason for gap In turbidity readings-Turbidity meter batteries died; had to go get new ones then replaced them.
Ferrous Fe =5.0mg/L H2S=0.0mg/L

Weather Conditions:
Sunny 65 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/8/2025 11:30 AM	00:00	6.54 pH	22.16 °C	8,801.6 µS/cm	1.03 mg/L		-122.0 mV	2.89 ft	400.00 ml/min
4/8/2025 11:35 AM	05:00	6.10 pH	20.77 °C	9,183.0 µS/cm	0.34 mg/L	523.00 NTU	-102.6 mV	3.00 ft	400.00 ml/min
4/8/2025 11:40 AM	10:00	6.09 pH	20.74 °C	9,278.1 µS/cm	0.29 mg/L	431.00 NTU	-96.0 mV	2.97 ft	400.00 ml/min
4/8/2025 11:45 AM	15:00	6.09 pH	20.79 °C	9,358.3 µS/cm	0.26 mg/L	76.80 NTU	-92.1 mV	2.95 ft	400.00 ml/min
4/8/2025 11:50 AM	20:00	6.09 pH	20.84 °C	9,419.8 µS/cm	0.25 mg/L	36.40 NTU	-120.6 mV	2.92 ft	400.00 ml/min
4/8/2025 11:55 AM	25:00	6.09 pH	20.85 °C	9,480.3 µS/cm	0.25 mg/L	28.50 NTU	-113.7 mV	2.85 ft	400.00 ml/min
4/8/2025 12:00 PM	30:00	6.09 pH	20.84 °C	9,523.7 µS/cm	0.24 mg/L	12.70 NTU	-108.5 mV	2.85 ft	400.00 ml/min
4/8/2025 12:05 PM	35:00	6.09 pH	20.85 °C	9,571.7 µS/cm	0.26 mg/L	6.81 NTU	-104.7 mV	2.83 ft	400.00 ml/min
4/8/2025 12:10 PM	40:00	6.09 pH	20.93 °C	9,595.9 µS/cm	0.24 mg/L	2.61 NTU	-101.1 mV	2.79 ft	400.00 ml/min
4/8/2025 12:15 PM	45:00	6.09 pH	20.84 °C	9,612.7 µS/cm	0.24 mg/L	4.33 NTU	-99.5 mV	2.76 ft	400.00 ml/min
4/8/2025 12:20 PM	50:00	6.08 pH	20.87 °C	9,639.0 µS/cm	0.24 mg/L	3.28 NTU	-71.5 mV	2.72 ft	400.00 ml/min
4/8/2025 12:25 PM	55:00	6.09 pH	20.88 °C	9,637.5 µS/cm	0.23 mg/L		-67.8 mV	2.75 ft	400.00 ml/min
4/8/2025 12:30 PM	01:00:00	6.09 pH	20.85 °C	9,657.2 µS/cm	0.23 mg/L		-89.8 mV	2.71 ft	400.00 ml/min

4/8/2025 12:35 PM	01:05:00	6.08 pH	20.93 °C	9,663.2 µS/cm	0.22 mg/L		-64.5 mV	2.68 ft	400.00 ml/min
4/8/2025 12:40 PM	01:10:00	6.09 pH	20.92 °C	9,665.8 µS/cm	0.22 mg/L		-62.4 mV	2.65 ft	400.00 ml/min
4/8/2025 12:45 PM	01:15:00	6.08 pH	20.98 °C	9,673.4 µS/cm	0.22 mg/L		-61.2 mV	2.62 ft	400.00 ml/min
4/8/2025 12:50 PM	01:20:00	6.08 pH	21.02 °C	9,676.2 µS/cm	0.22 mg/L	2.38 NTU	-60.3 mV	2.61 ft	400.00 ml/min
4/8/2025 12:55 PM	01:25:00	6.08 pH	21.02 °C	9,670.9 µS/cm	0.22 mg/L	1.43 NTU	-59.2 mV	2.60 ft	400.00 ml/min
4/8/2025 1:00 PM	01:30:00	6.08 pH	21.04 °C	9,681.9 µS/cm	0.22 mg/L	1.02 NTU	-58.5 mV	2.58 ft	400.00 ml/min

Samples

Sample ID:	Description:
DUP-05	Fake Sample time = 1203
APMW-14	Sample time = 1303

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/8/2025 10:24:32 AM
Project: Watson CCR APMW-15
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.5 ft** **Total Depth: 25.5 ft** **Initial Depth to Water: 2.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
H2S=0.2mg/L Ferrous Fe= 0.5mg/L

Weather Conditions:
Sunny 61 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/8/2025 10:24 AM	00:00	6.63 pH	20.60 °C	6,749.5 µS/cm	2.16 mg/L		-243.0 mV	2.91 ft	400.00 ml/min
4/8/2025 10:29 AM	05:00	6.62 pH	20.30 °C	8,301.3 µS/cm	0.73 mg/L	5.73 NTU	-314.5 mV	3.01 ft	400.00 ml/min
4/8/2025 10:34 AM	10:00	6.62 pH	20.32 °C	8,592.5 µS/cm	0.68 mg/L	1.57 NTU	-258.9 mV	2.98 ft	400.00 ml/min
4/8/2025 10:39 AM	15:00	6.62 pH	20.34 °C	8,677.2 µS/cm	0.62 mg/L	4.92 NTU	-320.1 mV	2.98 ft	400.00 ml/min
4/8/2025 10:44 AM	20:00	6.62 pH	20.35 °C	8,766.6 µS/cm	0.60 mg/L	2.54 NTU	-262.0 mV	2.96 ft	400.00 ml/min
4/8/2025 10:49 AM	25:00	6.63 pH	20.35 °C	8,730.9 µS/cm	0.55 mg/L	1.90 NTU	-262.0 mV	2.95 ft	400.00 ml/min
4/8/2025 10:54 AM	30:00	6.63 pH	20.34 °C	8,716.3 µS/cm	0.49 mg/L	0.73 NTU	-262.4 mV	2.95 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-15	Sample time =1057

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/8/2025 8:58:40 AM
Project: Watson CCR APMW-16
Operator Name: Keith Krisman

Location Name: Watson CCR APMW-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.5 ft** **Total Depth: 24.5 ft** **Initial Depth to Water: 2.87 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 18000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
H2S= 0.4mg/L Ferrous Fe =0.0mg/L

Weather Conditions:
52 degrees F Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/8/2025 8:58 AM	00:00	5.80 pH	14.53 °C	1,723.6 µS/cm	5.10 mg/L		-61.1 mV	2.87 ft	400.00 ml/min
4/8/2025 9:03 AM	05:00	6.44 pH	19.45 °C	2,827.2 µS/cm	0.40 mg/L	11.60 NTU	-158.5 mV	2.94 ft	400.00 ml/min
4/8/2025 9:08 AM	10:00	6.53 pH	19.60 °C	6,701.3 µS/cm	0.35 mg/L	4.26 NTU	-224.8 mV	2.95 ft	400.00 ml/min
4/8/2025 9:13 AM	15:00	6.56 pH	19.69 °C	7,991.7 µS/cm	0.34 mg/L	2.22 NTU	-246.6 mV	2.94 ft	400.00 ml/min
4/8/2025 9:18 AM	20:00	6.57 pH	19.72 °C	8,177.9 µS/cm	0.33 mg/L	1.51 NTU	-251.0 mV	2.94 ft	400.00 ml/min
4/8/2025 9:23 AM	25:00	6.58 pH	19.81 °C	8,247.2 µS/cm	0.32 mg/L	1.10 NTU	-253.0 mV	2.94 ft	400.00 ml/min
4/8/2025 9:28 AM	30:00	6.59 pH	19.87 °C	8,224.5 µS/cm	0.31 mg/L	0.72 NTU	-313.9 mV	2.94 ft	400.00 ml/min
4/8/2025 9:33 AM	35:00	6.60 pH	19.90 °C	8,234.2 µS/cm	0.30 mg/L	0.91 NTU	-255.3 mV	2.94 ft	400.00 ml/min
4/8/2025 9:38 AM	40:00	6.60 pH	19.94 °C	8,237.2 µS/cm	0.30 mg/L	1.21 NTU	-255.6 mV	2.94 ft	400.00 ml/min
4/8/2025 9:43 AM	45:00	6.60 pH	20.00 °C	8,226.7 µS/cm	0.29 mg/L	0.65 NTU	-255.1 mV	2.94 ft	400.00 ml/min

Samples

Sample ID:	Description:

APMW-16	Sample time = 0945

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Southern Company

APPENDIX B

Statistical Data Evaluation

Southern Company

First Semi-Annual Event

GROUNDWATER STATS CONSULTING

December 11, 2024

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

Re: Plant Watson Ash Pond
Statistical Analysis – October 2024

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of data for the October 2024 sample event for Mississippi Power Company's Plant Watson Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Data were sent electronically and the analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

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

- **Upgradient wells:** APMW-11, APMW-12, APMW-13, APMW-14, APMW-15, and APMW-16
- **Downgradient wells:** APMW-1R, APMW-2, APMW-3, APMW-4, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9, APMW-10
- **Delineation wells:** APMW-2D, APMW-3D, APMW-4D, APMW-5D, APMW-6D, APMW-8D, and APMW-10D

Sampling began for the CCR program in April 2018 for wells listed above with some exceptions. New upgradient wells APMW-11 and APMW-12, and downgradient well APMW-1R (a replacement well for well APMW-1) were first sampled in March 2019. Sampling began in April 2019 for downgradient well APMW-6R (a replacement well for

APMW-6). New upgradient wells APMW-13, APMW-14, APMW-15, and APMW-16 along with delineation wells were first sampled in July 2020.

Note that all data from upgradient wells are incorporated into the interwell statistical limits. Additionally, data for wells APMW-1R and APMW-6R were combined with their corresponding wells APMW-1 and APMW-6, respectively.

Delineation wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 8 samples is available and, currently, all delineation wells have sufficient samples. Data from all the delineation wells are also plotted on the time series graphs and box plots.

The CCR program consists of the following constituents:

- **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

Time series plots and box plots are included for all constituents at all wells (Figures A and B, respectively). 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. Note that due to varying reporting limits, including elevated reporting limits above respective MCLs during this event, historical reporting limits were substituted for the following constituents:

- Antimony – 0.002 mg/L
- Arsenic – 0.005 mg/L
- Beryllium – 0.0025 mg/L
- Cadmium – 0.0025 mg/L
- Chromium – 0.002 mg/L
- Cobalt – 0.0025 mg/L
- Fluoride – 0.2 mg/L
- Lead – 0.001 mg/L
- Molybdenum – 0.015 mg/L
- Selenium – 0.005 mg/L
- Thallium – 0.001 mg/L

Summary of Background Screening – Conducted in April 2019

Data at upgradient and downgradient wells were evaluated in during the background screening conducted in April 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Interwell prediction limits were selected as the most appropriate statistical method to evaluate the Appendix III parameters at this site. Power curves were submitted at that time and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

During the background screening conducted in April 2019, Tukey's box plot method was used to screen for outliers and the findings were submitted at that time. When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph and the accompanying data pages display the flagged value in a lighter font.

Summary of Statistical Methods

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. The confidence levels associated with parametric prediction limits are based on an overall false positive rate of 5%. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized where the highest background value is used to establish the upper prediction limit (and lowest value in the case of pH). The associated confidence level is dependent on the number of available background samples, future comparisons, and resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (USEPA Unified Guidance, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- 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 careful screening for any new outliers. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting 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.

Evaluation of Appendix III Parameters – October 2024

Background (upgradient) well data were visually screened for potential outliers using time series plots during this analysis. During a previous analysis, the highest sulfate value in upgradient well APMW-13 was flagged as an outlier since remaining measurements in this well and neighboring upgradient wells are considerably lower. During this analysis, the highest measurement in upgradient well APMW-14 was also flagged for sulfate. This step reduces variation in the record and results in more conservative (i.e., lower) limits from a regulatory perspective. No additional outliers were identified or flagged during this analysis. A summary of all flagged values follows this letter (Figure C).

The time series plots were also used to identify variation among data in upgradient wells. It was noted that concentrations for boron, calcium, chloride, sulfate, and TDS across the new upgradient wells are similar, but significantly higher than those observed in the existing upgradient wells. Further studies beyond the scope of this analysis would be needed to fully understand the groundwater population upgradient of the ash pond, and the appropriateness of pooling all upgradient well data for construction of prediction limits. The assumption at this time, however, is that pooling all upgradient well data results in statistical limits that are representative of the entire background population and serve to balance the false positive risk (identifying a problem in a downgradient well when none exists) with the false negative risk (not identifying impacts when present in a downgradient well).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for all Appendix III constituents--boron, calcium, chloride, fluoride, pH, sulfate, and TDS--using pooled upgradient well data through October 2024 to develop background limits (Figure D). The October 2024 observation at each downgradient well was compared to its respective background limit during this analysis. As mentioned earlier, due to varying detection limits from laboratory dilution for fluoride, the most recent reporting limit of 0.2 mg/L was substituted for non-detect fluoride measurements for all wells.

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 the 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 a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary.

Summary tables of the prediction limit findings follow this letter. When the October 2024 samples from downgradient wells were evaluated using interwell prediction limits, exceedances were identified for the following well/constituent pairs:

- Boron: APMW-1R, APMW-2, APMW-6R, and APMW-8
- Calcium: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, and APMW-9
- Chloride: APMW-3 and APMW-5
- Fluoride: APMW-10
- pH: APMW-2
- Sulfate: APMW-3
- Total Dissolved Solids: APMW-3 and APMW-5

Trend Tests

The Sen's Slope/Mann Kendall trend test was performed at the 99% confidence level on wells/constituent pairs with prediction limit exceedances (Figure E) to evaluate if data are increasing, decreasing, or stable. Upgradient wells were included in this analysis for a general comparison of how the groundwater behaves upgradient of the facility relative to downgradient. A summary of these findings follows this letter. When the entire record of data was evaluated, the following statistically significant trends were identified:

Increasing

- Boron: APMW-6R
- Calcium: APMW-1R

Decreasing

- Boron: APMW-2
- Chloride: APMW-3 and APMW-5
- pH: APMW-11 (upgradient) and APMW-2
- Sulfate: APMW-3
- Total Dissolved Solids: APMW-15 (upgradient)

Evaluation of Appendix IV Parameters – October 2024

For analysis of Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis and a list of 100% non-detect downgradient well/constituent pairs follows this report. Data from background (upgradient) wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged and a summary of flagged outliers follows this report.

Interwell Upper Tolerance Limits

Parametric upper tolerance limits (UTLs) were used to calculate background limits, when data followed a normal distribution, from pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine the background limits (Figure F). When data did not follow a normal or transformed-normal distribution, nonparametric upper tolerance limits were constructed and the confidence and coverage levels are dependent upon the number of background samples.

Groundwater Protection Standards

UTLs were compared to the Maximum Contaminant Levels (MCs) and CCR-Rule Specified Levels in the GWPS table following this letter to determine the highest limit for use as the Groundwater Protection Standard (GWPS) in the Confidence Interval comparisons (Figure G).

Confidence Intervals

Confidence intervals were then constructed on downgradient wells for each of the Appendix IV parameters using the highest limit of either the MCL, CCR-Rule Specified level, or background as discussed above (Figure H). 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 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 confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned, well/constituent pairs containing 100% non-detects did not require statistics; therefore, these pairs were deselected prior to construction of confidence intervals. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Exceedances were identified for the following well/constituent pairs:

- Arsenic: APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R, APMW-2, APMW-4D, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-5, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Note that while the Sanitas™ identified a confidence interval exceedance, the lower confidence limit of 5.81 pCi/L for combined radium 226 + 228 at well APMW-7 equals the GWPS of 5.81 pCi/L. As stated above, a statistical exceedance requires the lower confidence limit to be greater than the GWPS; therefore, the confidence interval for combined radium 226 + 228 at well APMW-7 is not considered a statistical exceedance.

Trend Tests

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether

concentrations are statistically increasing, decreasing, or stable at the 95% confidence level (Figure I). Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their confidence interval in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Arsenic: APMW-5D and APMW-6R
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R and APMW-9
- Lithium: APMW-12 (upgradient)
- Molybdenum: APMW-6R

Decreasing

- Arsenic: APMW-8 and APMW-10
- Barium: APMW-11 and APMW-12 (both upgradient)
- Lithium: APMW-3, APMW-4, APMW-5, and APMW-8
- Molybdenum: APMW-4D

A summary of all results follows this letter. Note that Southern Company Services, reportedly, submitted an Alternate Source Demonstration (ASD) for barium and combined radium 226 + 228 confidence interval exceedances.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Watson Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina Rayner
Senior Statistician



Andrew T. Collins
Project Manager

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Summary Tables

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100% Non-Detects: Appendix IV Downgradient

Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Antimony (mg/L)
APMW-10, APMW-1R, APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6R, APMW-7, APMW-8D, APMW-9

Beryllium (mg/L)
APMW-2D, APMW-3D, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-8D

Cadmium (mg/L)
APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-7, APMW-8, APMW-8D, APMW-9

Chromium (mg/L)
APMW-10, APMW-10D, APMW-2, APMW-3D, APMW-6D, APMW-6R, APMW-8D, APMW-9

Cobalt (mg/L)
APMW-2, APMW-2D, APMW-8

Lead (mg/L)
APMW-1R, APMW-3D, APMW-6D, APMW-8D

Mercury (mg/L)
APMW-10D, APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Molybdenum (mg/L)
APMW-1R

Selenium (mg/L)
APMW-10D, APMW-1R, APMW-2D, APMW-4D, APMW-5D, APMW-6D, APMW-8D

Thallium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-6R, APMW-7, APMW-8D

Interwell Prediction Limits - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-1R	1.2	n/a	10/16/2024	5.6	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	10/16/2024	2.8	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	10/17/2024	13	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	10/17/2024	18	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	150	n/a	10/16/2024	210	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	150	n/a	10/16/2024	330	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	150	n/a	10/17/2024	260	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	150	n/a	10/17/2024	250	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	150	n/a	10/17/2024	320	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	150	n/a	10/17/2024	440	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	150	n/a	10/16/2024	250	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	10/17/2024	8400	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	10/17/2024	6500	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	10/16/2024	0.66	Yes	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	APMW-2	6.98	5.89	10/16/2024	5.84	Yes	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-3	890	n/a	10/17/2024	1000	Yes	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	10/17/2024	16000	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	10/17/2024	10000	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	10/16/2024	2.2J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**10/16/2024**	**5.6**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**10/16/2024**	**2.8**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-3	1.2	n/a	10/17/2024	4.3J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-4	1.2	n/a	10/17/2024	1	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	10/17/2024	3.2J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**10/17/2024**	**13**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	10/17/2024	1	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**10/17/2024**	**18**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-9	1.2	n/a	10/16/2024	7.3J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-10	150	n/a	10/16/2024	38	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**10/16/2024**	**210**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**10/16/2024**	**330**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**10/17/2024**	**260**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	150	n/a	10/17/2024	110	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**10/17/2024**	**250**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**10/17/2024**	**320**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	150	n/a	10/17/2024	88	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**10/17/2024**	**440**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**10/16/2024**	**250**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	10/16/2024	510	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	10/16/2024	2200	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	10/16/2024	2300	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**10/17/2024**	**8400**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	10/17/2024	2100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**10/17/2024**	**6500**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	10/17/2024	3400	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	10/17/2024	3800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	10/17/2024	3500	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	10/16/2024	2800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**10/16/2024**	**0.66**	**Yes**	**80**	**n/a**	**n/a**	**20**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	10/16/2024	0.15J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	10/16/2024	0.13J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	10/17/2024	0.38J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	10/17/2024	0.37J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	10/17/2024	0.27J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	10/17/2024	0.14J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	10/17/2024	0.17J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	10/17/2024	0.82J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	10/16/2024	0.14J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.98	5.89	10/16/2024	6.98	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-1R	6.98	5.89	10/16/2024	6.17	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	**APMW-2**	**6.98**	**5.89**	**10/16/2024**	**5.84**	**Yes**	**79**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0006118**	**NP Inter (normality) 1 of 2**
pH (SU)	APMW-3	6.98	5.89	10/17/2024	6.59	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-4	6.98	5.89	10/17/2024	6.24	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-5	6.98	5.89	10/17/2024	6.36	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-6R	6.98	5.89	10/17/2024	6.23	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-7	6.98	5.89	10/17/2024	6.51	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-8	6.98	5.89	10/17/2024	6.67	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-9	6.98	5.89	10/16/2024	6.47	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-10	890	n/a	10/16/2024	0.5ND	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	890	n/a	10/16/2024	8.8	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	890	n/a	10/16/2024	8.8	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**890**	**n/a**	**10/17/2024**	**1000**	**Yes**	**76**	**n/a**	**n/a**	**14.47**	**n/a**	**n/a**	**0.0003321**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	890	n/a	10/17/2024	190	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	APMW-5	890	n/a	10/17/2024	600	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	890	n/a	10/17/2024	820	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	890	n/a	10/17/2024	45	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	890	n/a	10/17/2024	610	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	890	n/a	10/16/2024	160	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	10/16/2024	1400	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	10/16/2024	4500	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	10/16/2024	4100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**10/17/2024**	**16000**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	10/17/2024	3900	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**10/17/2024**	**10000**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	10/17/2024	6800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	10/17/2024	7000	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	10/17/2024	7100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	10/16/2024	5200	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-2**	**-0.1472**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.5345**	**97**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**14.28**	**96**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-364.2**	**-130**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-212.6**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.08768**	**-104**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-2**	**-0.02243**	**-89**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-31.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-216**	**-34**	**-30**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	9	74	No	19	47.37	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.00415	48	74	No	19	31.58	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	0.00653	2	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01424	5	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.03051	15	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0285	8	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.2243	37	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1472**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.5345**	**97**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	-0.2148	-40	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.7644	-62	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-43	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.4986	-4	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0.8135	12	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.332	-25	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.033	-14	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**14.28**	**96**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	1.908	19	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-5.332	-49	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-8.207	-79	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-16.79	-66	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	-3.266	-26	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-4.029	-58	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.02083	-17	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1798	-53	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-83.21	-27	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-62.5	-11	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-17	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-81.56	-7	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-364.2**	**-130**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-212.6**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	APMW-10	-0.009332	-18	-87	No	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	2	81	No	20	35	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.00009626	-2	-81	No	20	10	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.005547	-3	-30	No	10	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	9	30	No	10	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.01005	6	30	No	10	10	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.02616	5	30	No	10	10	n/a	n/a	0.01	NP
pH (SU)	**APMW-11 (bg)**	**-0.08768**	**-104**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.05133	-74	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.02032	15	30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.004986	2	30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.03265	-17	-30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	-0.003333	-3	-30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	**APMW-2**	**-0.02243**	**-89**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	APMW-11 (bg)	-0.02237	-27	-74	No	19	31.58	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.05341	-62	-74	No	19	26.32	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	9.346	7	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	40.14	14	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	2.256	2	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	7.522	12	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-31.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.579	-59	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.942	-54	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-80.15	-22	-30	No	10	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-225.3	-19	-30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-216**	**-34**	**-30**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-122.6	-11	-30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-230.9	-34	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-461.2	-69	-81	No	20	0	n/a	n/a	0.01	NP

Upper Tolerance Limits

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:45 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	80	n/a	n/a	98.75	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	80	n/a	n/a	42.5	n/a	n/a	0.01652	NP Inter(normality)
Barium (mg/L)	n/a	0.25	n/a	n/a	n/a	80	n/a	n/a	0	n/a	n/a	0.01652	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	96.25	n/a	n/a	0.01652	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	98.75	n/a	n/a	0.01652	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0044	n/a	n/a	n/a	76	n/a	n/a	81.58	n/a	n/a	0.02028	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	90	n/a	n/a	0.01652	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	5.81	n/a	n/a	n/a	80	1.081	0.3653	2.5	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.54	n/a	n/a	n/a	80	n/a	n/a	20	n/a	n/a	0.01652	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)
Lithium (mg/L)	n/a	0.02407	n/a	n/a	n/a	80	0.1024	0.02688	6.25	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	76	n/a	n/a	97.37	n/a	n/a	0.02028	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	80	n/a	n/a	100	n/a	n/a	0.01652	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.81	5.81
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.024	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

Confidence Interval Summary Table - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**20**	**0.07815**	**0.03885**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08024**	**0.06231**	**0.01**	**Yes**	**20**	**0.07128**	**0.01579**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2344**	**0.2116**	**0.01**	**Yes**	**20**	**0.223**	**0.02003**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01917**	**0.01195**	**0.01**	**Yes**	**10**	**0.01556**	**0.004045**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.2182**	**0.1477**	**0.01**	**Yes**	**20**	**0.183**	**0.06207**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.06836**	**0.03464**	**0.01**	**Yes**	**20**	**0.0515**	**0.02969**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.603**	**3.087**	**2**	**Yes**	**20**	**3.345**	**0.4548**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.77**	**7.885**	**5.81**	**Yes**	**20**	**9.825**	**3.416**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.15**	**18.1**	**5.81**	**Yes**	**20**	**19.13**	**1.801**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.145**	**7.303**	**5.81**	**Yes**	**10**	**8.224**	**1.032**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.515**	**5.81**	**5.81**	**Yes**	**20**	**6.663**	**1.501**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.101**	**7.061**	**5.81**	**Yes**	**20**	**7.581**	**0.9159**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08244**	**0.06991**	**0.04**	**Yes**	**20**	**0.07618**	**0.01103**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05993**	**0.04837**	**0.04**	**Yes**	**20**	**0.05415**	**0.01018**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08444**	**0.0502**	**0.04**	**Yes**	**10**	**0.06732**	**0.01918**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-5**	**0.05104**	**0.04148**	**0.04**	**Yes**	**20**	**0.0468**	**0.009556**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05756**	**0.05319**	**0.04**	**Yes**	**20**	**0.05538**	**0.003842**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.09**	**0.071**	**0.04**	**Yes**	**20**	**0.08528**	**0.02288**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.3007**	**0.1667**	**0.1**	**Yes**	**10**	**0.2337**	**0.07505**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.4**	**0.1**	**Yes**	**20**	**0.49**	**0.195**	**0**	**None**	**No**	**0.01**	**NP (normality)**

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.002	0.006	No	10	0.001853	0.0004649	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	20	0.00197	0.0001342	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.0014	0.006	No	20	0.0019	0.0003361	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.002	0.006	No	10	0.001875	0.0003953	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	20	0.001933	0.0002996	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**20**	**0.07815**	**0.03885**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01411	0.005232	0.01	No	10	0.00967	0.004975	10	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001512	0.0006508	0.01	No	20	0.002068	0.001676	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	20	0.004163	0.001723	80	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003389	0.002479	0.01	No	10	0.002934	0.0005103	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08024**	**0.06231**	**0.01**	**Yes**	**20**	**0.07128**	**0.01579**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003772	0.002728	0.01	No	10	0.00325	0.0005855	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0076	0.01	No	20	0.01422	0.005051	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005663	0.002923	0.01	No	10	0.004293	0.001536	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2344**	**0.2116**	**0.01**	**Yes**	**20**	**0.223**	**0.02003**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01917**	**0.01195**	**0.01**	**Yes**	**10**	**0.01556**	**0.004045**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005511	0.003933	0.01	No	10	0.004722	0.0008839	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.2182**	**0.1477**	**0.01**	**Yes**	**20**	**0.183**	**0.06207**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.001519	0.0006669	0.01	No	20	0.001214	0.0009032	0	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	**APMW-8**	**0.06836**	**0.03464**	**0.01**	**Yes**	**20**	**0.0515**	**0.02969**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.00388	0.002059	0.01	No	10	0.00297	0.001021	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001402	0.001188	0.01	No	20	0.001295	0.0001877	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.319	0.256	2	No	20	0.2875	0.05543	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03151	0.02053	2	No	10	0.02548	0.008016	10	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.521	1.075	2	No	20	1.298	0.3921	0	None	No	0.01	Param.
Barium (mg/L)	**APMW-2**	**3.603**	**3.087**	**2**	**Yes**	**20**	**3.345**	**0.4548**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06667	0.04129	2	No	10	0.05398	0.01422	0	None	No	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.098	2	No	20	0.1003	0.00916	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.184	0.151	2	No	10	0.1675	0.01845	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.4076	0.2404	2	No	20	0.324	0.1472	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4D	0.24	0.082	2	No	10	0.1437	0.09037	0	None	No	0.011	NP (normality)
Barium (mg/L)	APMW-5	0.1063	0.09758	2	No	20	0.102	0.007702	0	None	No	0.01	Param.
Barium (mg/L)	APMW-5D	0.06124	0.04194	2	No	10	0.05159	0.01082	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.166	0.08683	2	No	10	0.1264	0.04436	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06076	0.04934	2	No	20	0.05505	0.01005	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8322	0.6458	2	No	20	0.739	0.1641	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	20	0.2285	0.02907	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1487	0.08185	2	No	10	0.1153	0.03749	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.506	0.437	2	No	20	0.4715	0.06081	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	20	0.002309	0.0005888	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.0025	0.004	No	10	0.002307	0.0006103	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	20	0.002384	0.0005165	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	20	0.001953	0.0009752	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	20	0.002384	0.0005188	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-4	0.0025	0.00024	0.004	No	20	0.002387	0.0005054	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	20	0.002393	0.0004785	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	20	0.002387	0.0005031	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	20	0.002284	0.000665	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	20	0.002175	0.000795	85	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	20	0.002387	0.0005031	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.0025	0.005	No	10	0.002275	0.0007115	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	20	0.002397	0.0004584	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	20	0.002152	0.0008502	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.0012	0.1	No	18	0.002022	0.000349	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.002	0.1	No	10	0.001957	0.000136	90	None	No	0.011	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	18	0.001933	0.000194	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002126	0.001564	0.1	No	18	0.001994	0.0003977	38.89	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-4D	0.002	0.002	0.1	No	10	0.00246	0.001455	90	Kaplan-Meier	No	0.011	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	18	0.001833	0.0003464	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.002	0.0019	0.1	No	10	0.002088	0.0006447	70	Kaplan-Meier	No	0.011	NP (NDs)
Chromium (mg/L)	APMW-7	0.002	0.0014	0.1	No	18	0.001789	0.0003085	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	18	0.001989	0.0003787	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	20	0.002152	0.000852	85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.0025	0.006	No	10	0.002278	0.000702	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.00042	0.006	No	20	0.001649	0.001073	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.002992	0.002388	0.006	No	20	0.00269	0.000532	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.0025	0.006	No	10	0.002271	0.0007242	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-4	0.00361	0.00296	0.006	No	20	0.003285	0.0005724	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.00745	0.003452	0.006	No	10	0.005451	0.002241	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	20	0.002258	0.0007458	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.00071	0.00027	0.006	No	10	0.000437	0.0002676	0	None	No	0.011	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.0025	0.006	No	10	0.002271	0.0007242	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003393	0.002277	0.006	No	20	0.002835	0.0009832	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	20	0.001389	0.00114	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-8D	0.0025	0.0025	0.006	No	10	0.002371	0.0004079	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	20	0.002259	0.0007429	90	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.416	2.702	5.81	No	20	3.059	0.6288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.7309	0.2071	5.81	No	10	0.469	0.2935	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.77**	**7.885**	**5.81**	**Yes**	**20**	**9.825**	**3.416**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.15**	**18.1**	**5.81**	**Yes**	**20**	**19.13**	**1.801**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.7998	0.01729	5.81	No	10	0.4041	0.5202	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.819	5.542	5.81	No	20	6.181	1.124	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.13	0.5667	5.81	No	10	0.8486	0.3159	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.412	1.776	5.81	No	20	2.094	0.5595	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.145**	**7.303**	**5.81**	**Yes**	**10**	**8.224**	**1.032**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.532	3.718	5.81	No	20	4.125	0.716	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.7075	0.1157	5.81	No	10	0.4116	0.3317	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.08	0.3695	5.81	No	10	0.725	0.3984	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.28	2.725	5.81	No	20	2.933	0.7164	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.515**	**5.81**	**5.81**	**Yes**	**20**	**6.663**	**1.501**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.968	3.554	5.81	No	20	4.343	1.443	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.079	0.3199	5.81	No	10	0.6992	0.4251	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.101**	**7.061**	**5.81**	**Yes**	**20**	**7.581**	**0.9159**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7633	0.6282	4	No	21	0.6957	0.1225	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2273	0.1667	4	No	10	0.197	0.03401	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.1618	0.1135	4	No	20	0.1783	0.04241	45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-2	0.2	0.07	4	No	20	0.1335	0.0637	30	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2079	0.1521	4	No	10	0.18	0.03127	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4578	0.2476	4	No	21	0.39	0.2052	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1729	0.1311	4	No	10	0.152	0.02348	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.5059	0.3803	4	No	21	0.4252	0.143	9.524	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2191	0.07734	4	No	10	0.1836	0.07551	40	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	20	0.1588	0.067	45	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2032	0.1142	4	No	10	0.1587	0.04986	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2115	0.1385	4	No	10	0.175	0.04089	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.22	0.14	4	No	20	0.5175	1.385	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.1	4	No	21	0.2629	0.391	14.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1	0.73	4	No	21	1.603	3.304	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.1696	0.08562	4	No	10	0.1276	0.04705	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	20	0.1629	0.1669	30	None	No	0.01	NP (normality)

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	20	0.0009025	0.0002657	80	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009016	0.0004434	0.015	No	10	0.000787	0.0002808	30	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	20	0.000961	0.0001744	95	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.0002	0.015	No	10	0.0006605	0.0003758	50	None	No	0.011	NP (normality)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	20	0.0009455	0.0001679	90	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	20	0.000981	0.00008497	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.001	0.015	No	10	0.000929	0.0002245	90	None	No	0.011	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	20	0.0009435	0.0001925	85	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.0008683	0.0001267	0.015	No	10	0.000721	0.0005959	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	20	0.000966	0.0001521	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	20	0.001045	0.0002012	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	20	0.001033	0.0001608	85	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	20	0.000926	0.0002316	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01675	0.01014	0.04	No	20	0.01385	0.006819	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01738	0.008239	0.04	No	10	0.01281	0.005123	10	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01787	0.01258	0.04	No	20	0.01545	0.005073	5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03238	0.02552	0.04	No	20	0.02895	0.006048	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.0108	0.008981	0.04	No	10	0.00989	0.001019	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08244**	**0.06991**	**0.04**	**Yes**	**20**	**0.07618**	**0.01103**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01759	0.00893	0.04	No	10	0.01326	0.004851	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05993**	**0.04837**	**0.04**	**Yes**	**20**	**0.05415**	**0.01018**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08444**	**0.0502**	**0.04**	**Yes**	**10**	**0.06732**	**0.01918**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-5**	**0.05104**	**0.04148**	**0.04**	**Yes**	**20**	**0.0468**	**0.009556**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5D	0.00878	0.006842	0.04	No	10	0.007811	0.001086	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.01258	0.006024	0.04	No	10	0.009506	0.004894	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05756**	**0.05319**	**0.04**	**Yes**	**20**	**0.05538**	**0.003842**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004349	0.002808	0.04	No	19	0.004184	0.001469	15.79	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.09**	**0.071**	**0.04**	**Yes**	**20**	**0.08528**	**0.02288**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.007065	0.002538	0.04	No	10	0.0053	0.003026	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-9	0.0048	0.003113	0.04	No	19	0.004426	0.001574	15.79	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	18	0.0001936	0.00002711	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	18	0.0001972	0.00001179	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	18	0.0001941	0.00002522	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	18	0.0001939	0.00002593	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	18	0.0001932	0.00002899	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	18	0.0002083	0.00003536	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.1	0.033	0.1	No	20	0.0712	0.03336	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.0111	0.002987	0.1	No	10	0.007044	0.004547	10	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	20	0.01429	0.003177	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.0038	0.0011	0.1	No	10	0.001957	0.001521	0	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06931	0.05974	0.1	No	20	0.06453	0.008432	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.00072	0.1	No	10	0.00523	0.006756	30	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-4	0.008917	0.005723	0.1	No	20	0.00732	0.002812	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.3007**	**0.1667**	**0.1**	**Yes**	**10**	**0.2337**	**0.07505**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1292	0.07264	0.1	No	20	0.1009	0.04977	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0014	0.0008	0.1	No	10	0.001694	0.002051	10	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003461	0.0009487	0.1	No	10	0.002269	0.001959	10	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.4**	**0.1**	**Yes**	**20**	**0.49**	**0.195**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	20	0.01134	0.005311	65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1468	0.0873	0.1	No	20	0.1171	0.05239	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00086	0.1	No	10	0.005199	0.006765	30	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.0011	0.1	No	20	0.0129	0.005138	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	20	0.004315	0.001674	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	20	0.004335	0.001625	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0014	0.05	No	20	0.003423	0.001835	55	None	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	APMW-3D	0.005	0.005	0.05	No	10	0.00462	0.001202	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	20	0.004329	0.001638	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	20	0.004175	0.001703	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-6R	0.005	0.0015	0.05	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.0019	0.05	No	20	0.004155	0.001758	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.0017	0.05	No	20	0.003948	0.001884	75	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0019	0.05	No	20	0.003979	0.001838	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	20	0.0009205	0.0002146	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.001	0.002	No	10	0.000957	0.000136	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	20	0.0009595	0.0001811	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	20	0.000992	0.00003578	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	20	0.000956	0.0001968	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	20	0.000936	0.0002575	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	20	0.000992	0.000222	90	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/11/2024, 12:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01734**	**-152**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.00265**	**37**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03067**	**161**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01423**	**-166**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.009921**	**-129**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002615**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1503**	**114**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.756**	**144**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3242**	**110**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001147**	**109**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002172**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002937**	**-118**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-5**	**-0.001756**	**-89**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004135**	**-123**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.03403**	**-33**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05984**	**134**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

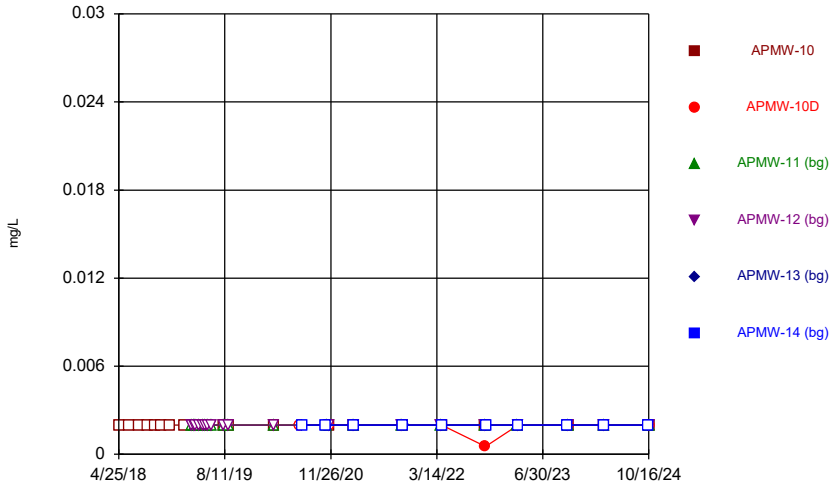
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/11/2024, 12:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01734**	**-152**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	30	62	No	20	85	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.00001389	-16	-62	No	20	25	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	-1	-23	No	10	80	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	-0.0001714	-13	-23	No	10	40	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	23	No	10	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0	0	23	No	10	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.003611	-41	-62	No	20	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.001904	-36	-62	No	20	0	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.00265**	**37**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03067**	**161**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01423**	**-166**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.009921**	**-129**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002615**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.0006166	-4	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.002944	-6	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.003249	-16	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0.001308	10	23	No	10	0	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1503**	**114**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.01764	-20	-62	No	20	5	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01542	-12	-62	No	20	5	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.1175	11	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	13	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1596	-8	-23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.1591	-11	-23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.756**	**144**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	-0.0254	-5	-62	No	20	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1102	3	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3242**	**110**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0005505	57	62	No	20	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001147**	**109**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0002772	3	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	-0.003295	-15	-23	No	10	50	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0006073	12	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0001003	-1	-23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002172**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002937**	**-118**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.003244	10	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-5**	**-0.001756**	**-89**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-6R	0.0002255	13	62	No	20	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004135**	**-123**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	62	No	20	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	62	No	20	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	23	No	10	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	23	No	10	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	7	23	No	10	90	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	7	23	No	10	90	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.03403**	**-33**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05984**	**134**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**

FIGURE A.

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

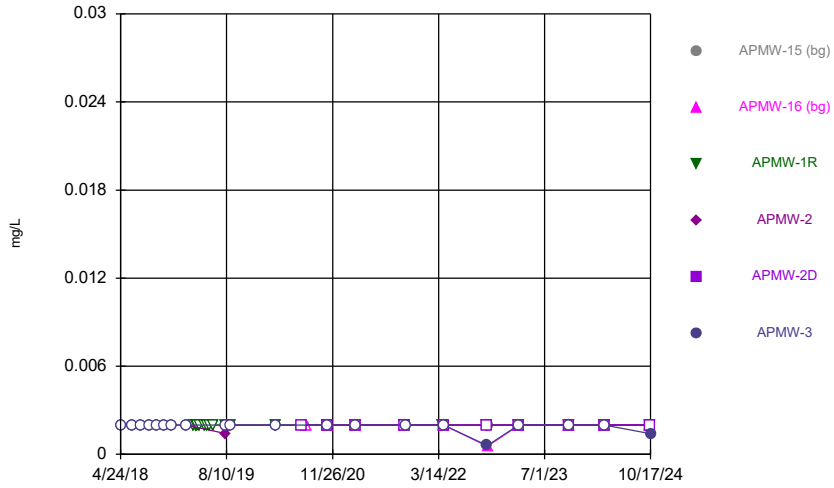
Time Series



Constituent: Antimony Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

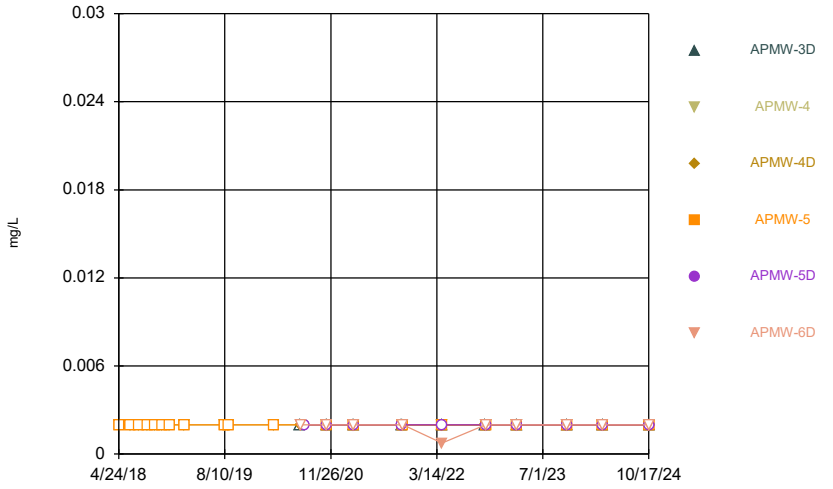
Time Series



Constituent: Antimony Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

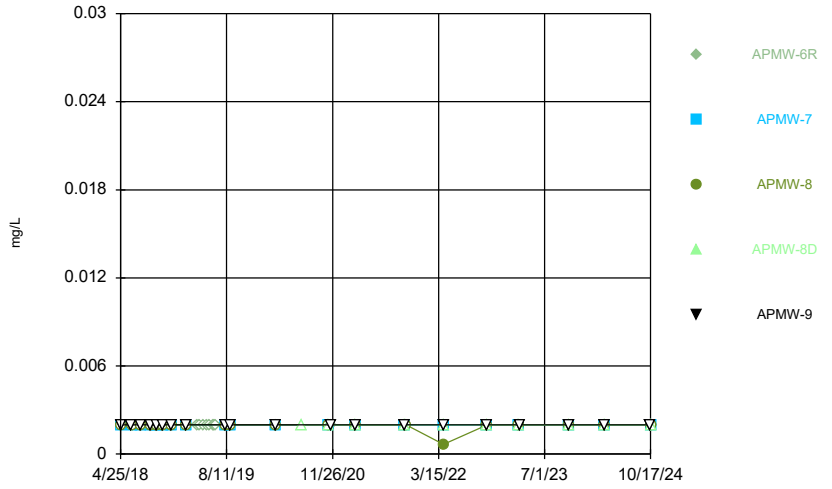
Time Series



Constituent: Antimony Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

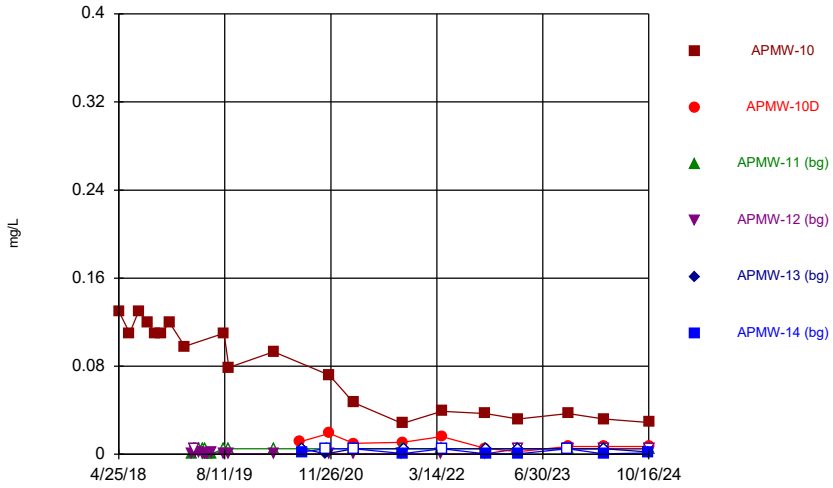
Time Series



Constituent: Antimony Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

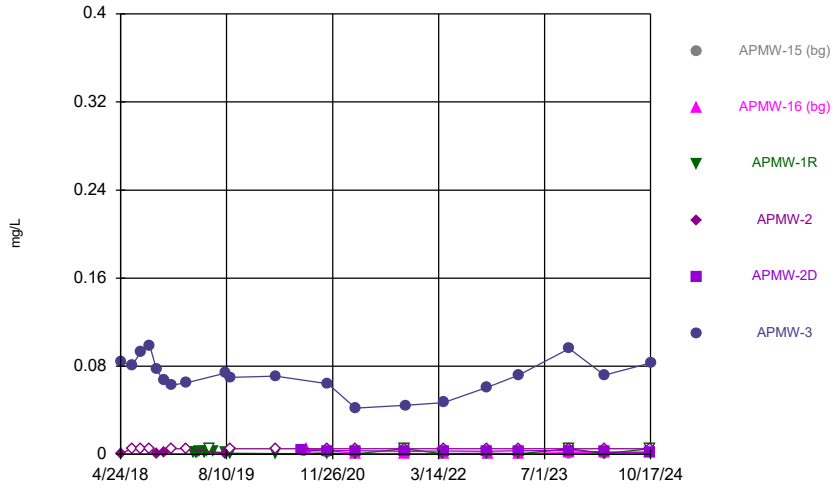
Time Series



Constituent: Arsenic Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

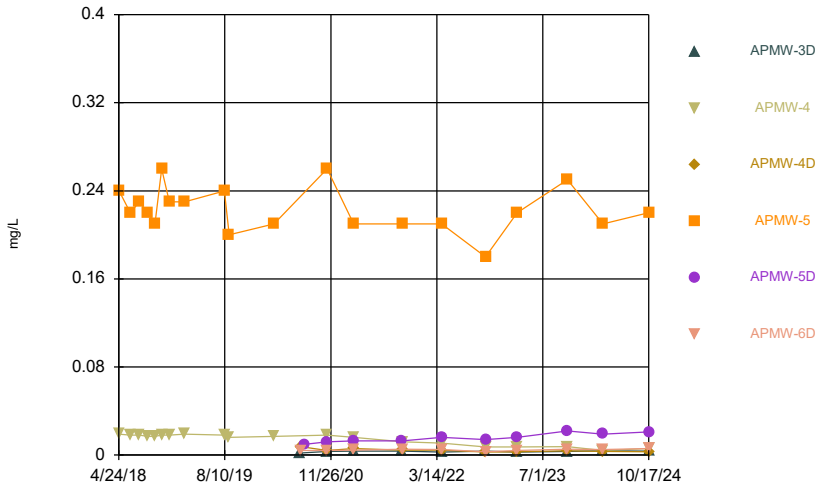
Time Series



Constituent: Arsenic Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

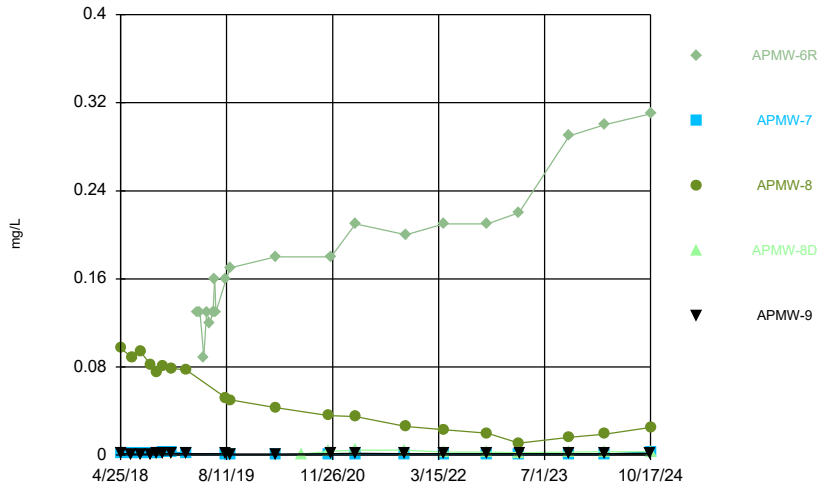
Time Series



Constituent: Arsenic Analysis Run 12/6/2024 4:04 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

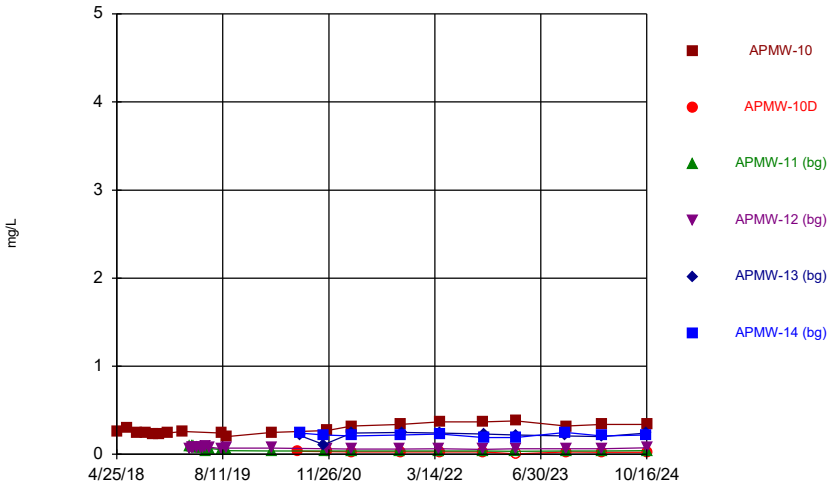
Time Series



Constituent: Arsenic Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

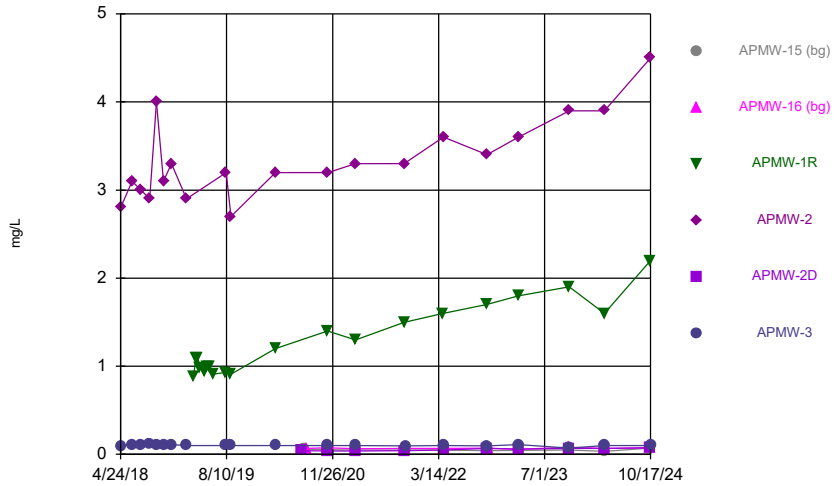
Time Series



Constituent: Barium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

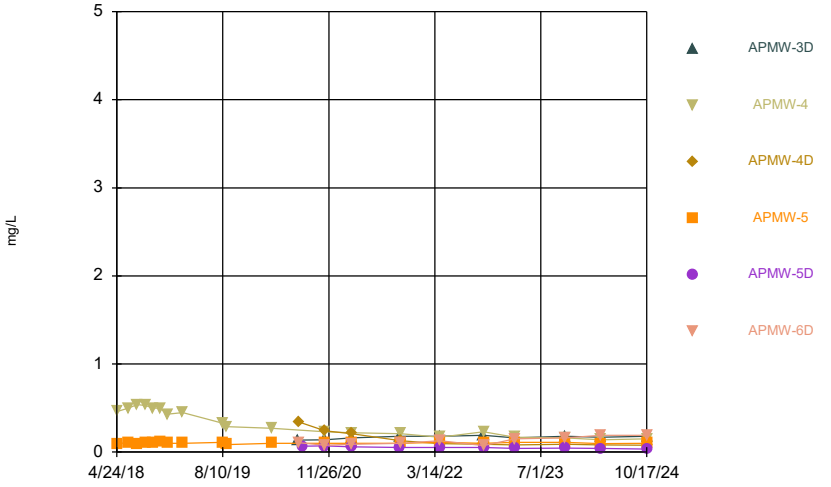
Time Series



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

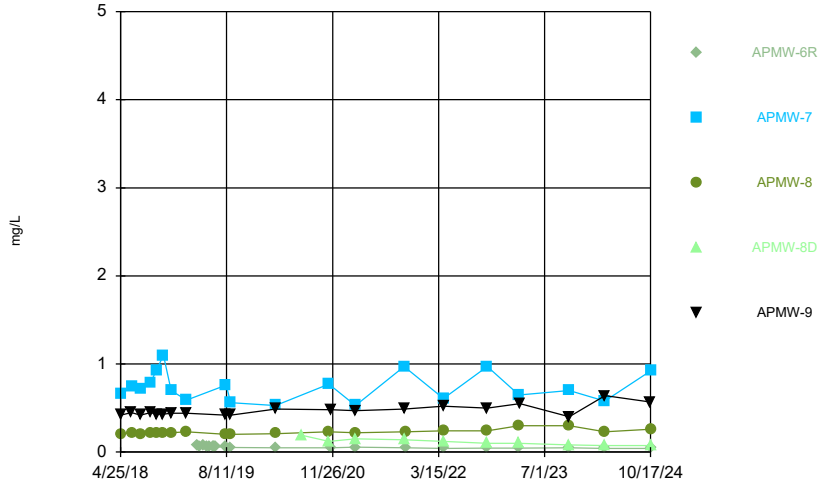
Time Series



Constituent: Barium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

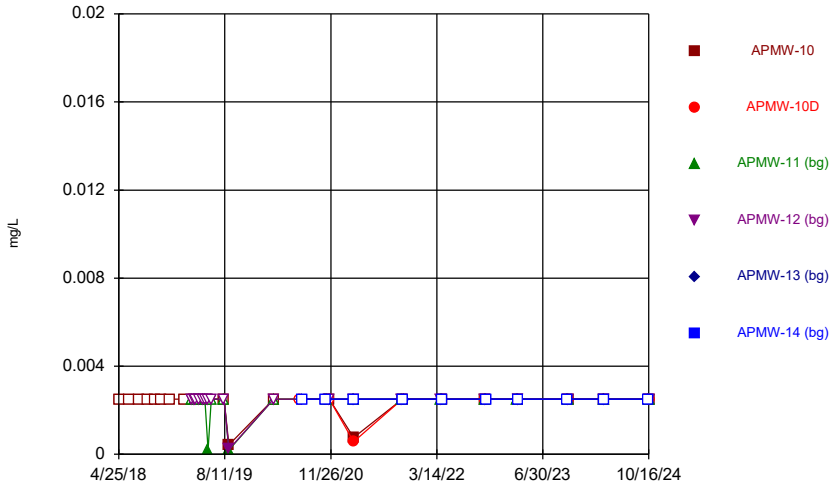
Time Series



Constituent: Barium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

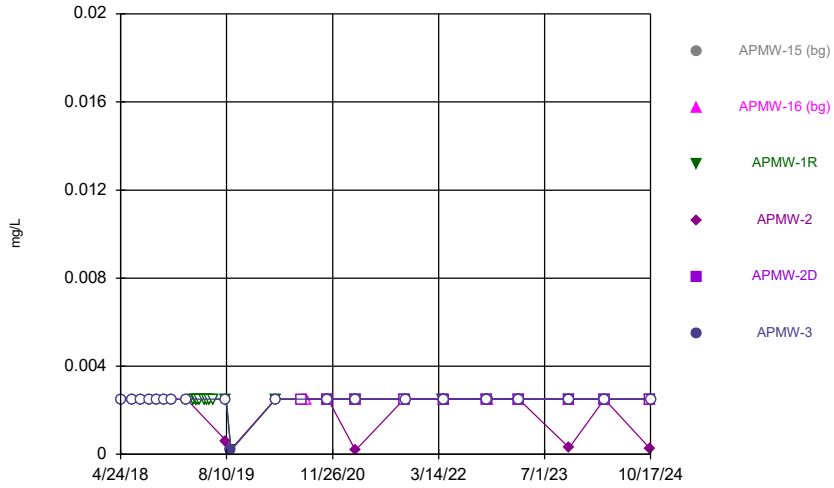
Time Series



Constituent: Beryllium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

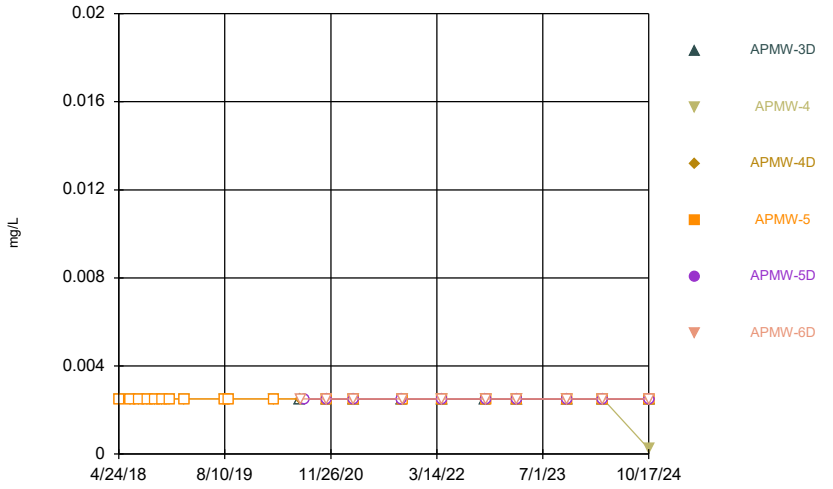
Time Series



Constituent: Beryllium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

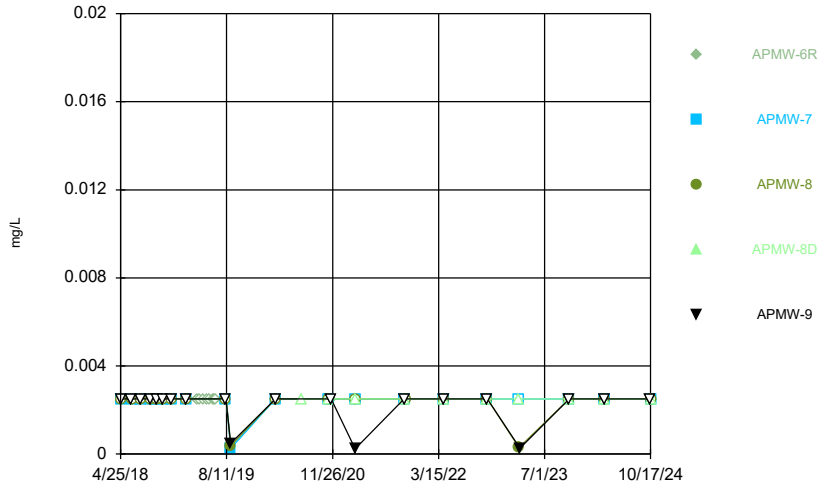
Time Series



Constituent: Beryllium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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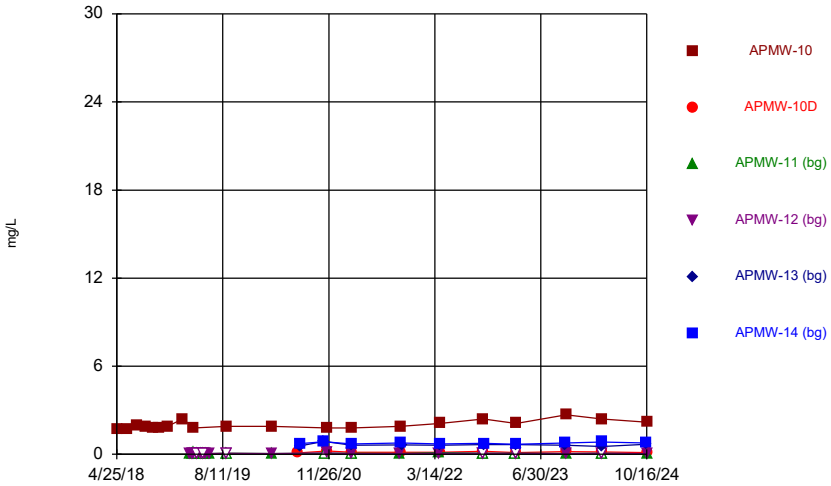
Time Series



Constituent: Beryllium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

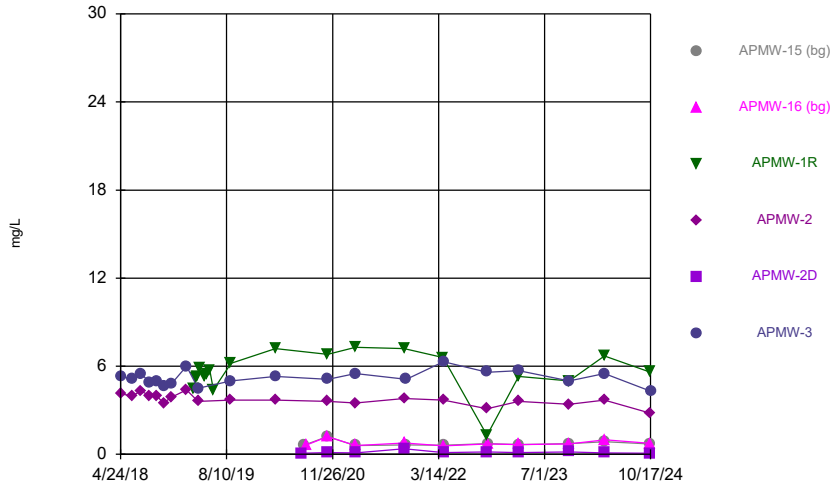
Time Series



Constituent: Boron Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

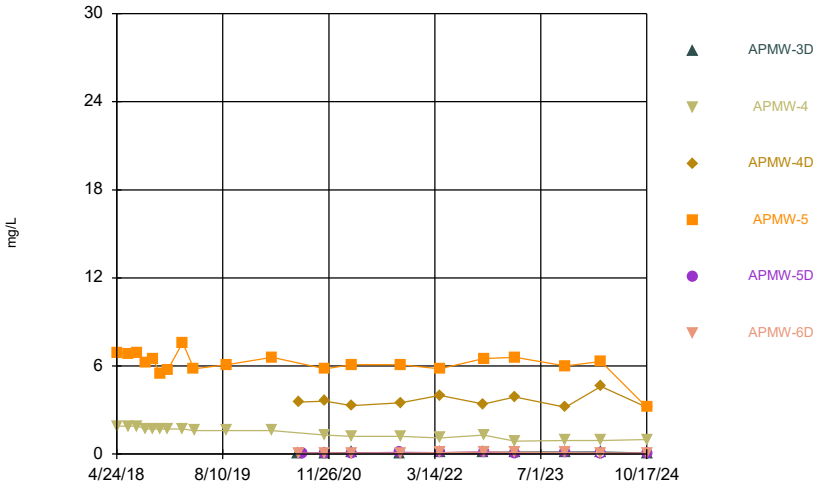
Time Series



Constituent: Boron Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

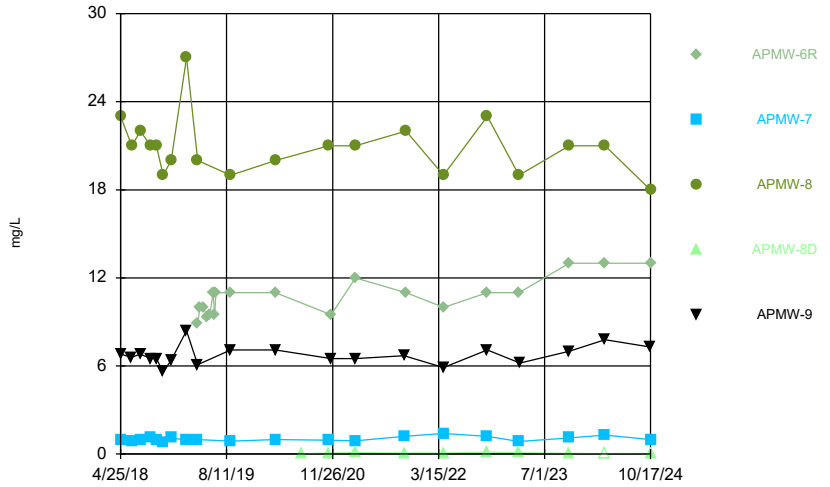
Time Series



Constituent: Boron Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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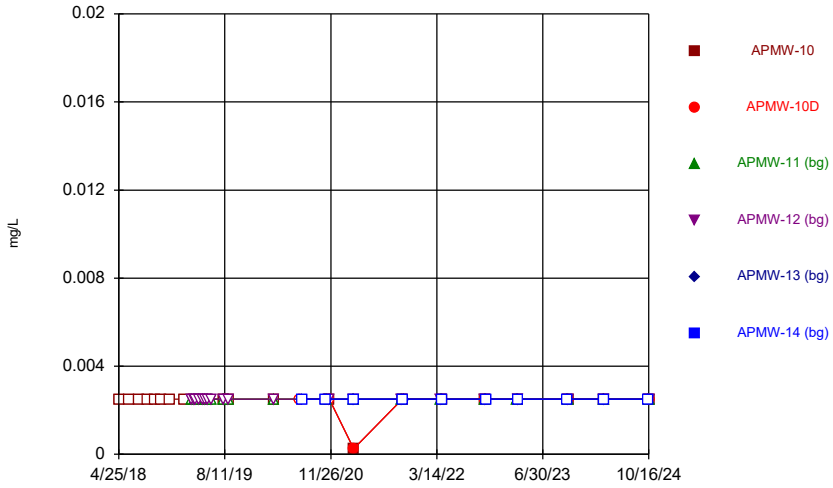
Time Series



Constituent: Boron Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

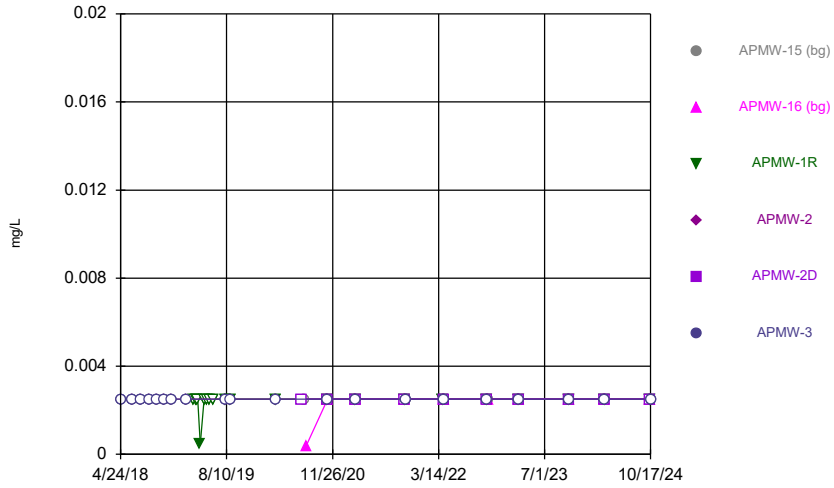
Time Series



Constituent: Cadmium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

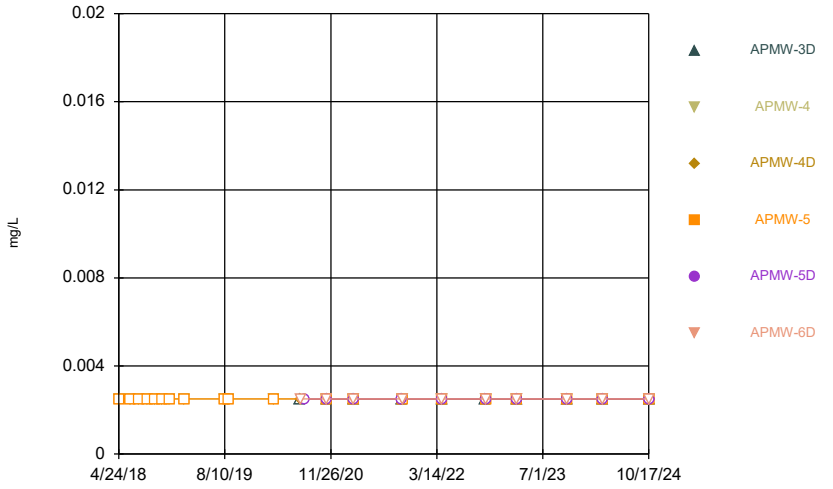
Time Series



Constituent: Cadmium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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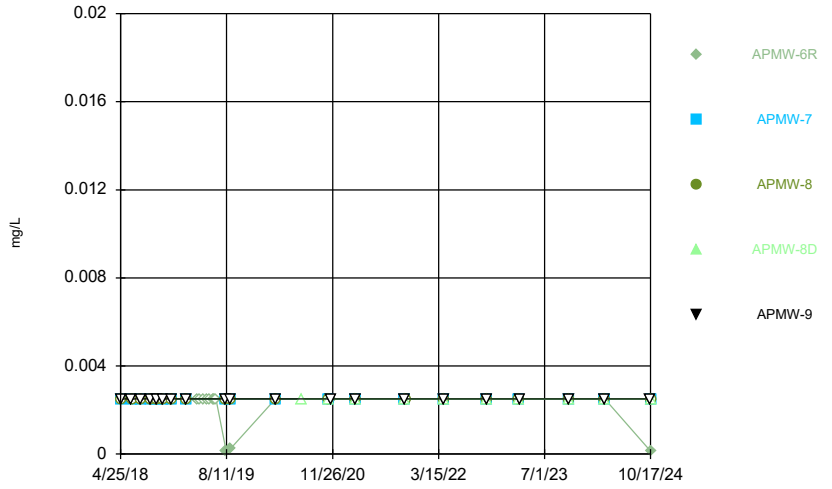
Time Series



Constituent: Cadmium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

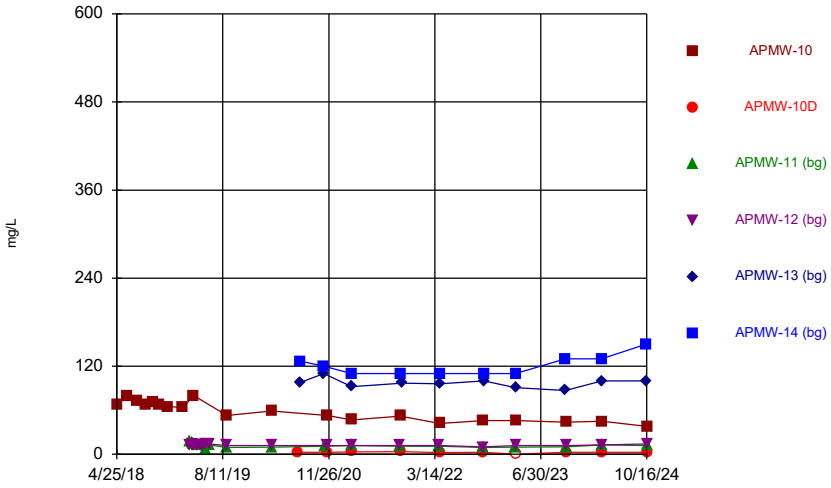
Time Series



Constituent: Cadmium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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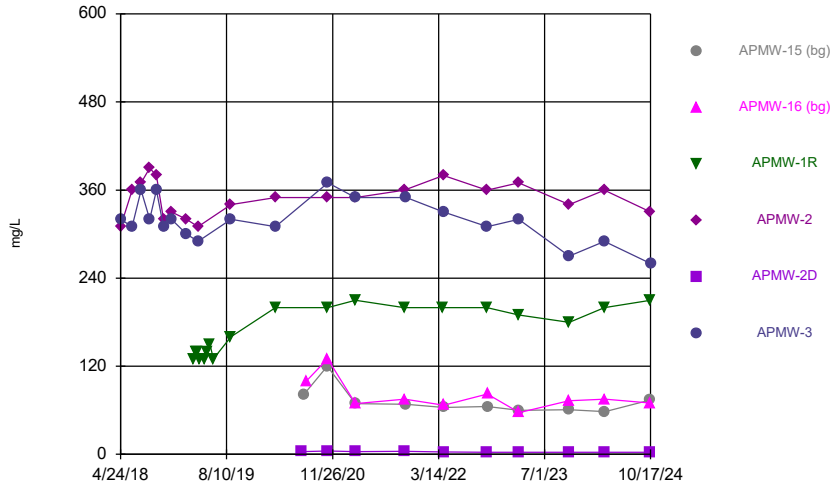
Time Series



Constituent: Calcium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

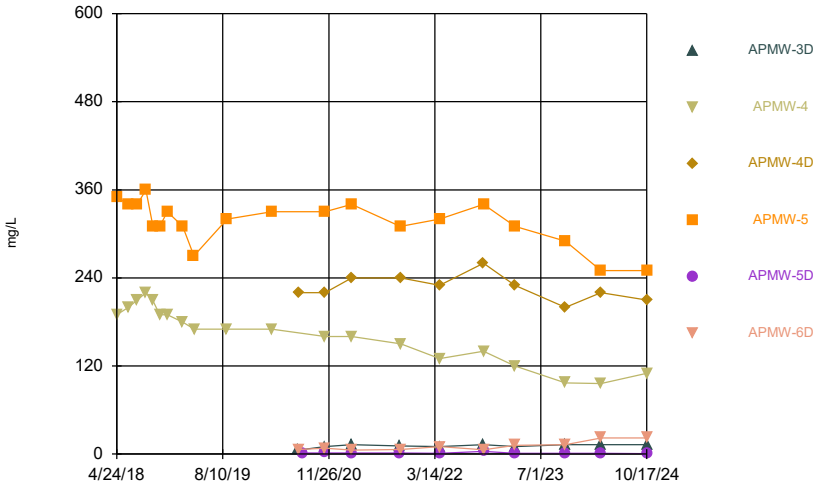
Time Series



Constituent: Calcium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

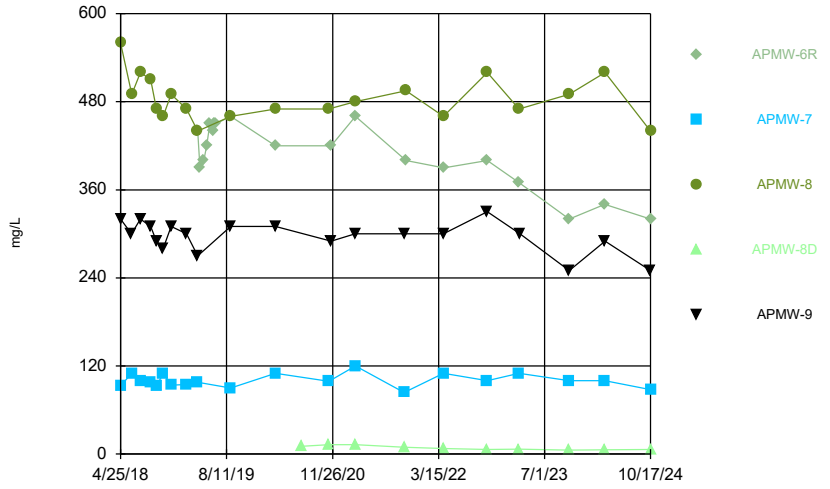
Time Series



Constituent: Calcium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

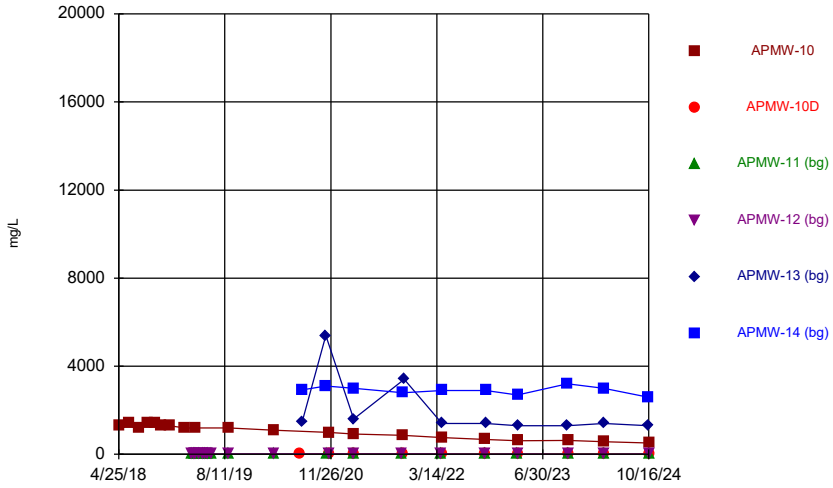
Time Series



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

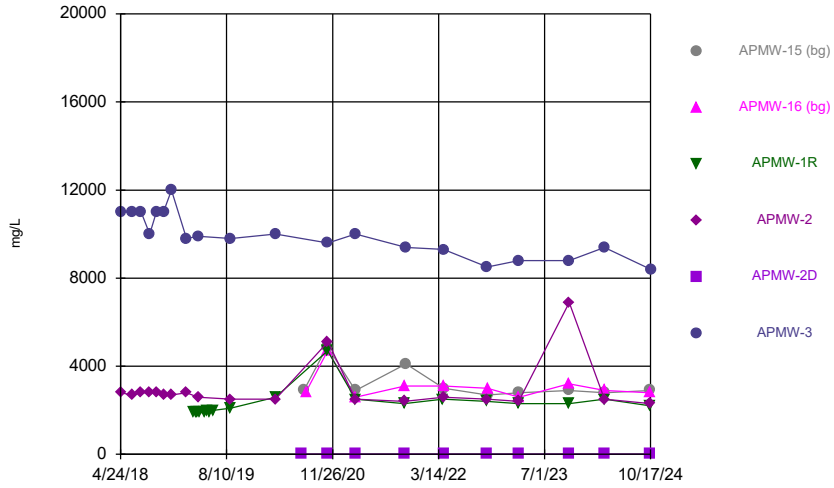
Time Series



Constituent: Chloride Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

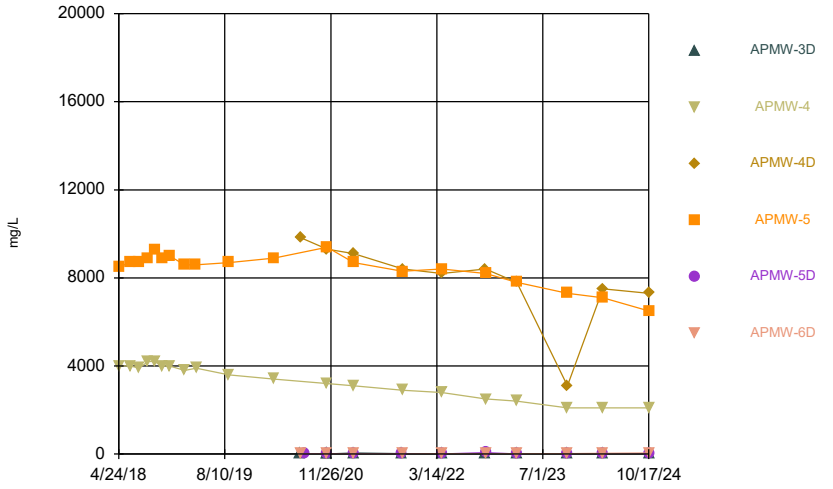
Time Series



Constituent: Chloride Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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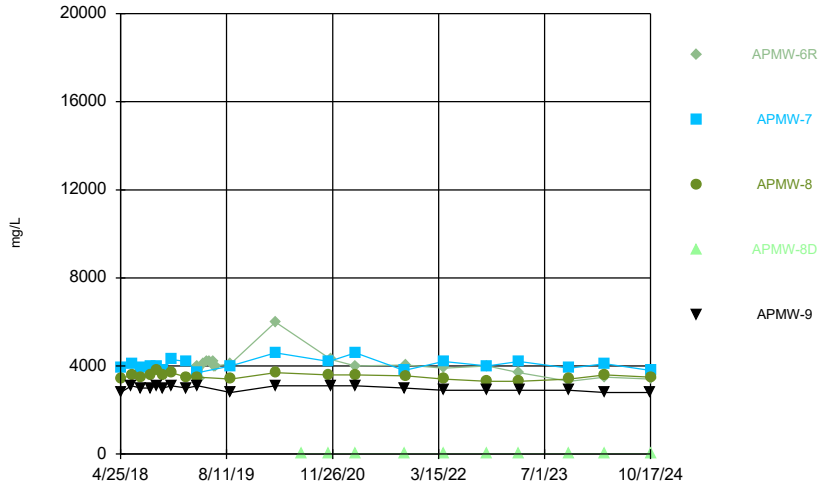
Time Series



Constituent: Chloride Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

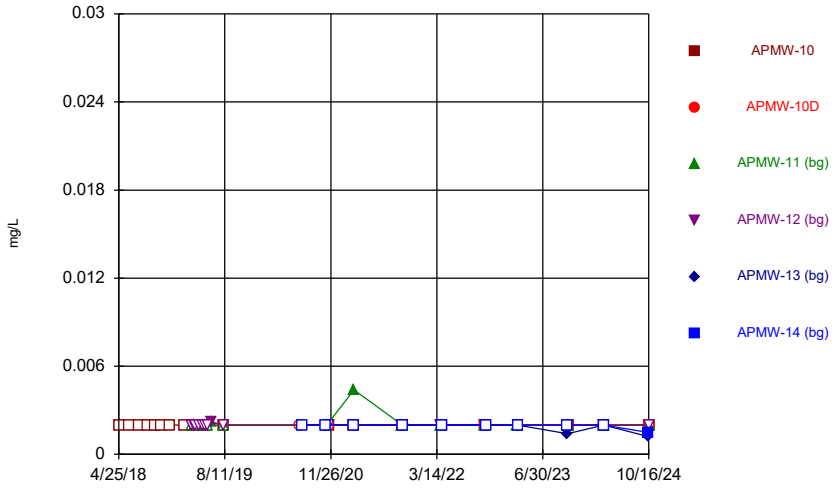
Time Series



Constituent: Chloride Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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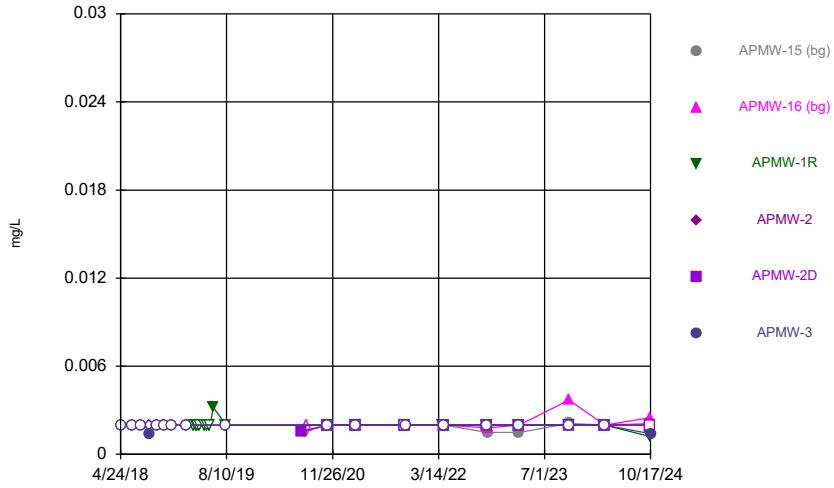
Time Series



Constituent: Chromium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

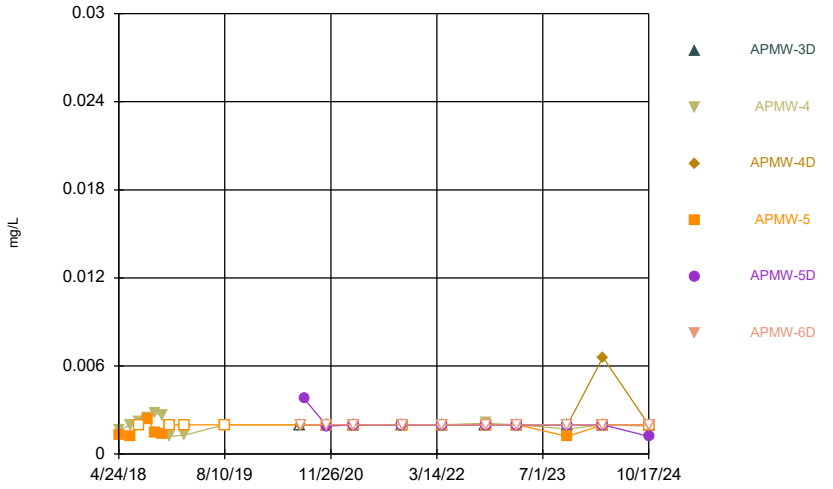
Time Series



Constituent: Chromium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

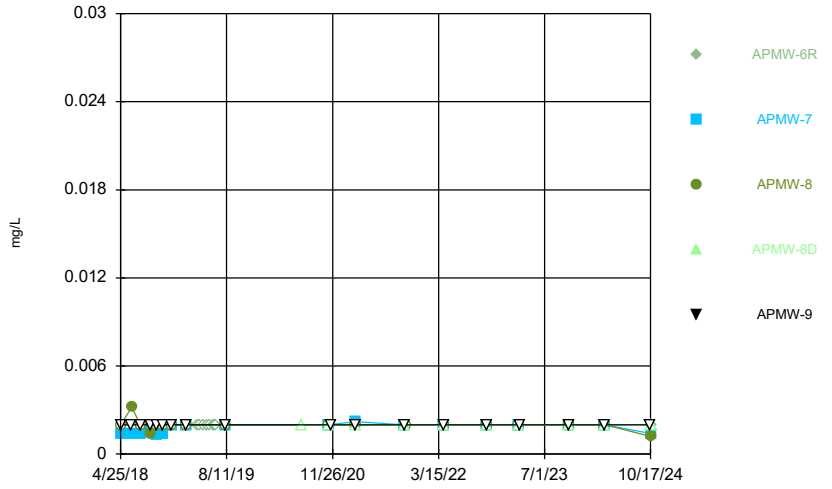
Time Series



Constituent: Chromium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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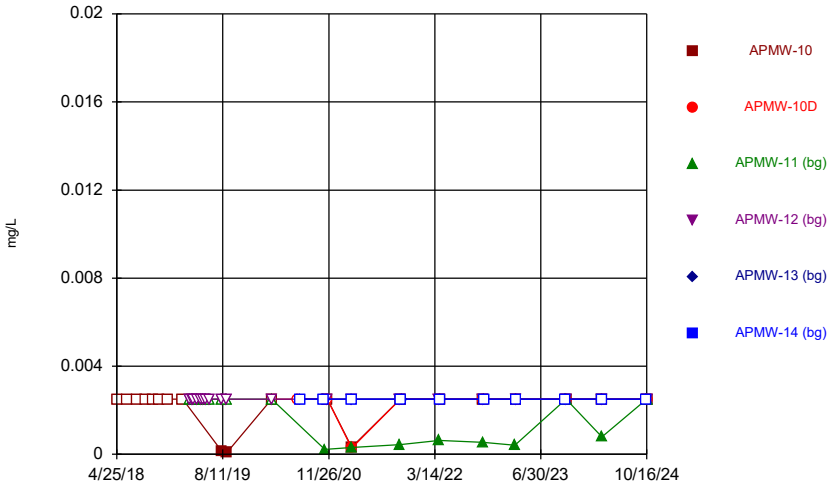
Time Series



Constituent: Chromium Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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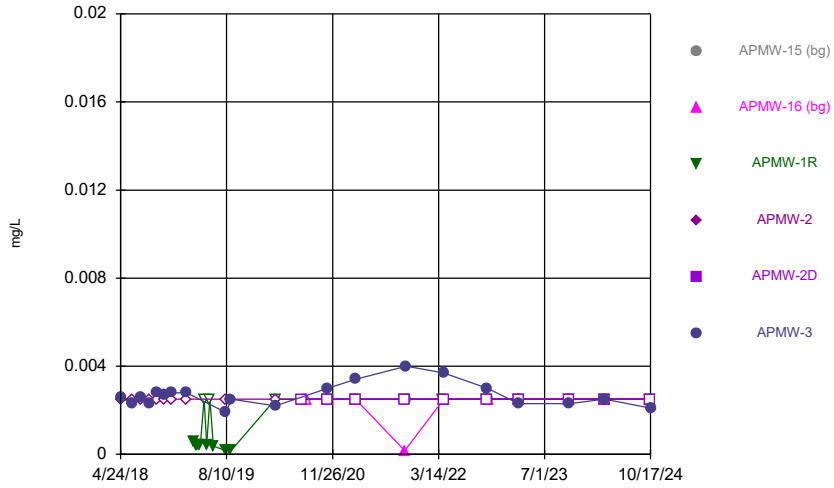
Time Series



Constituent: Cobalt Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

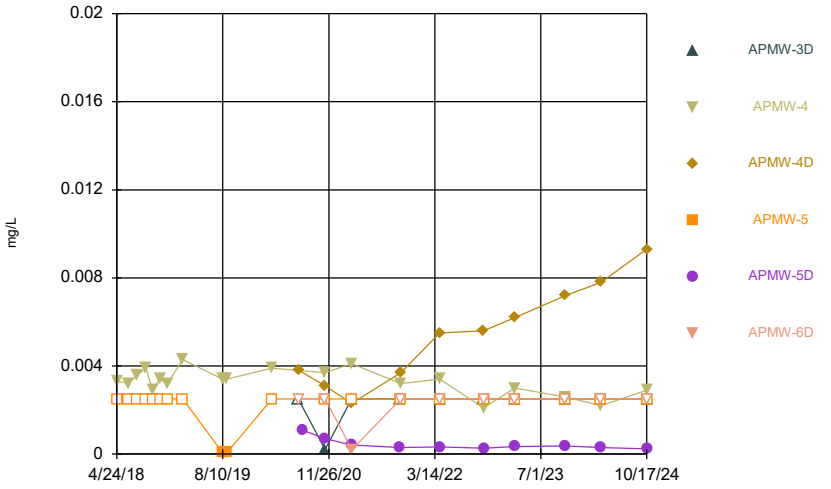
Time Series



Constituent: Cobalt Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

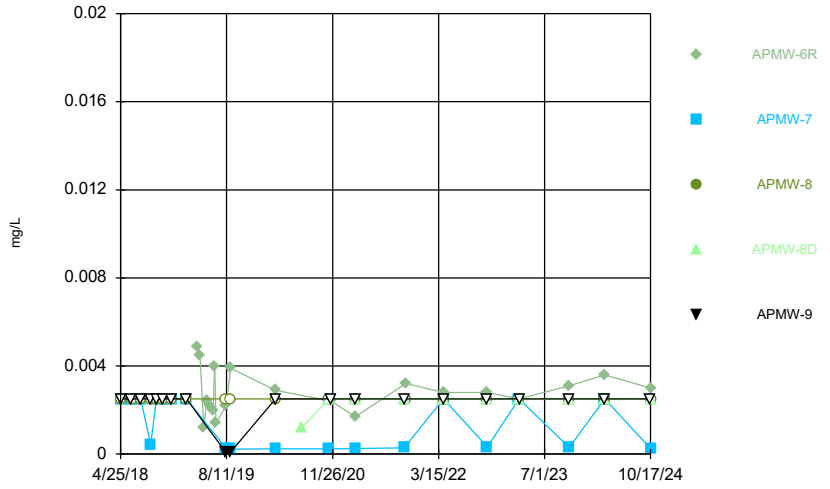
Time Series



Constituent: Cobalt Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

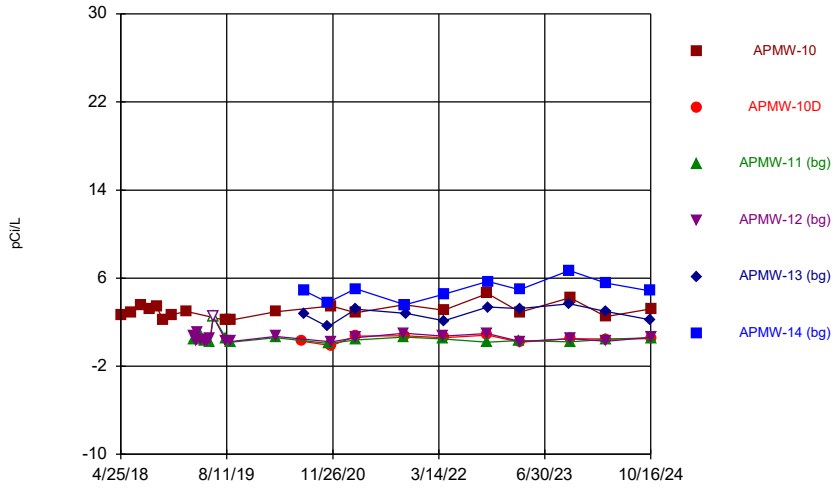
Time Series



Constituent: Cobalt Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

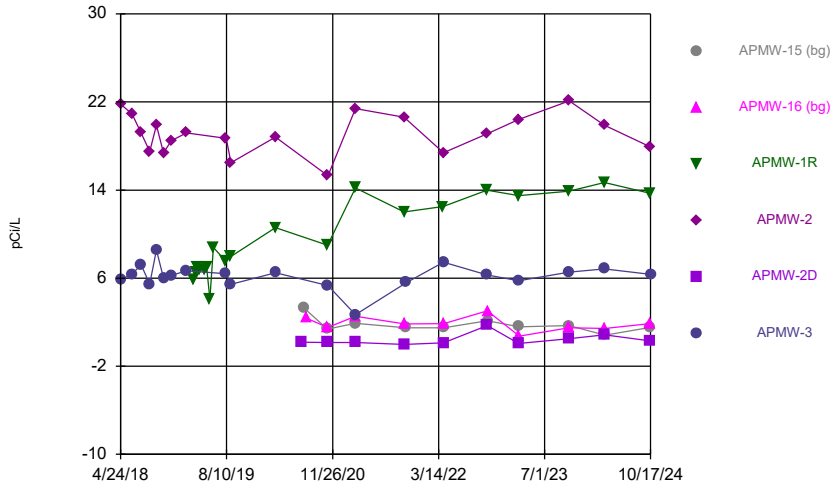
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

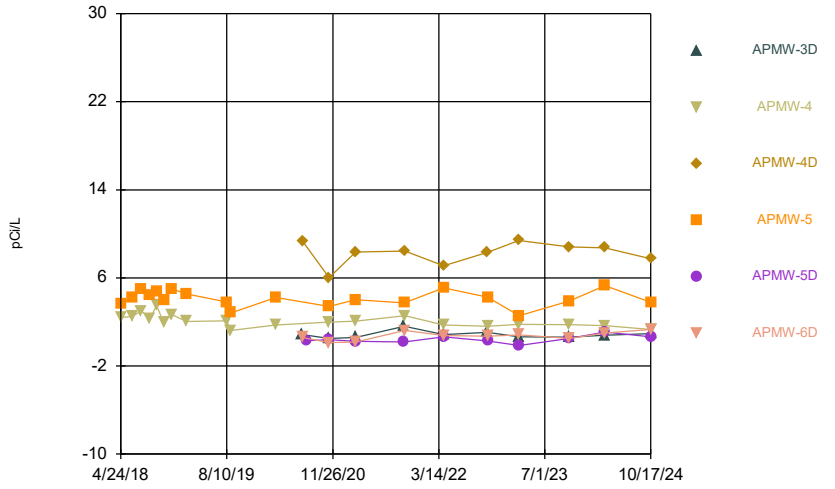
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:05 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

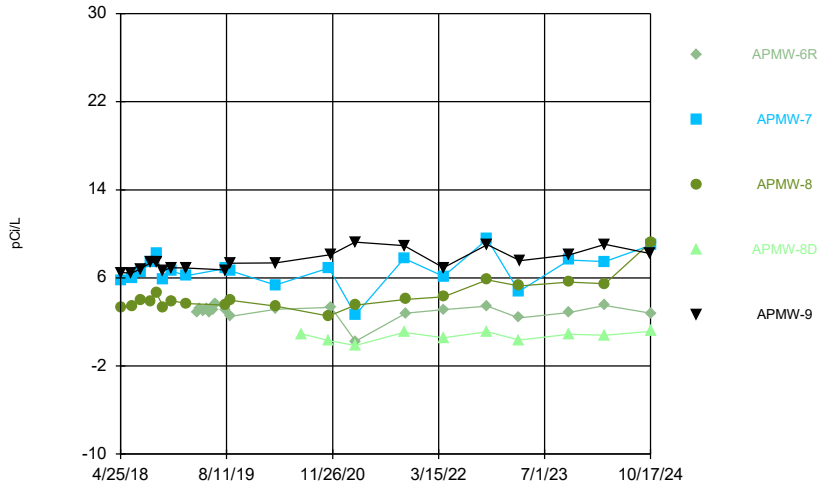
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

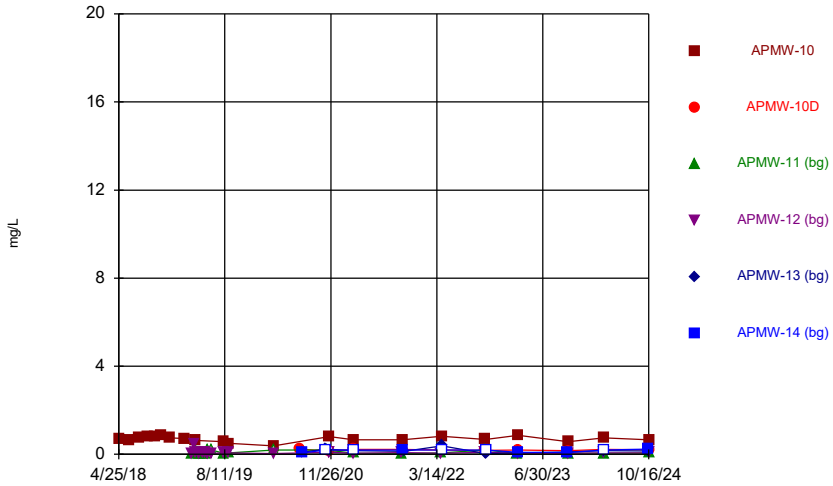
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

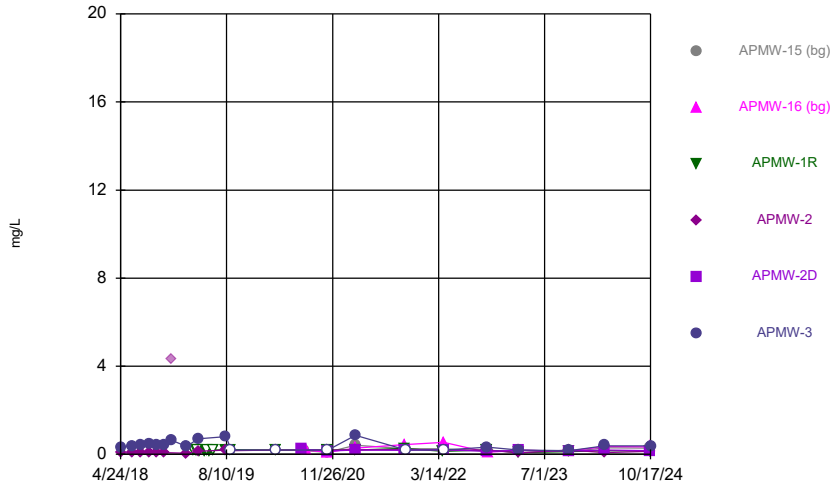
Time Series



Constituent: Fluoride Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

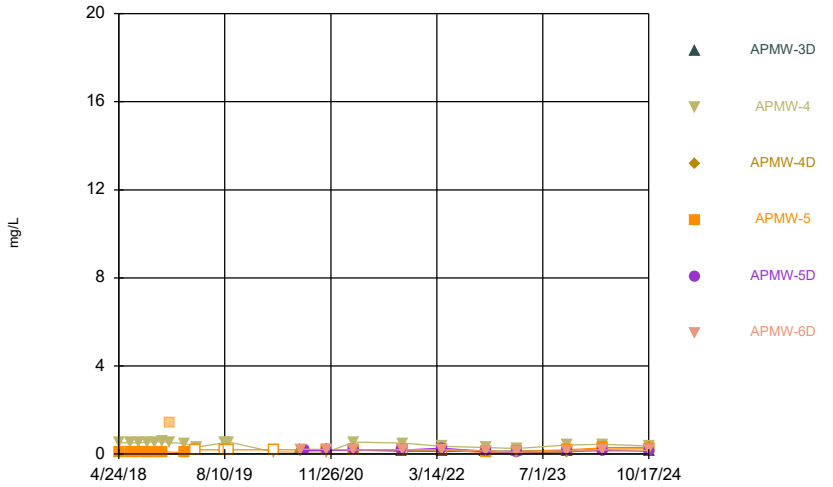
Time Series



Constituent: Fluoride Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

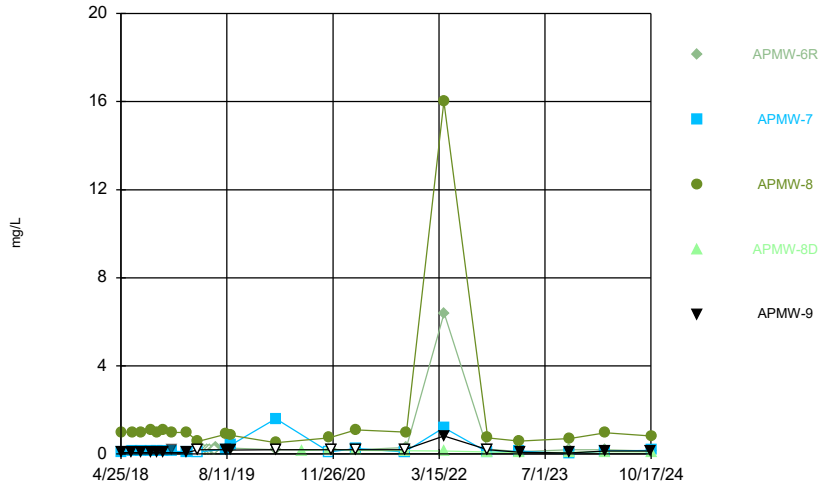
Time Series



Constituent: Fluoride Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

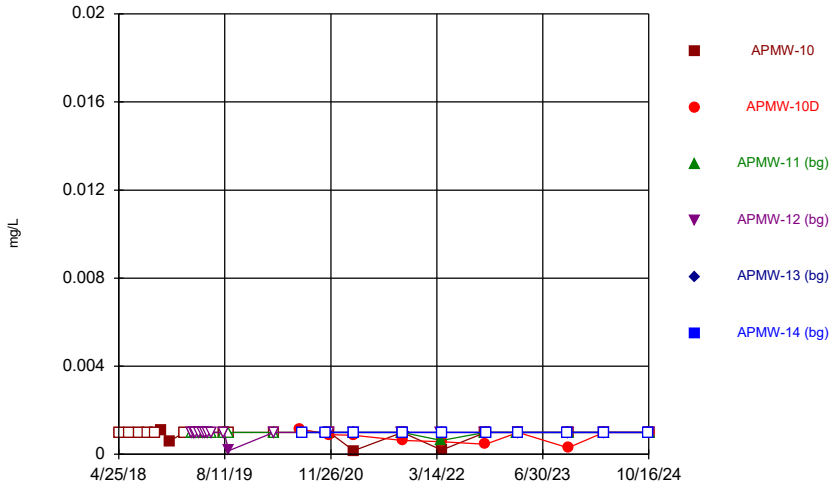
Time Series



Constituent: Fluoride Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

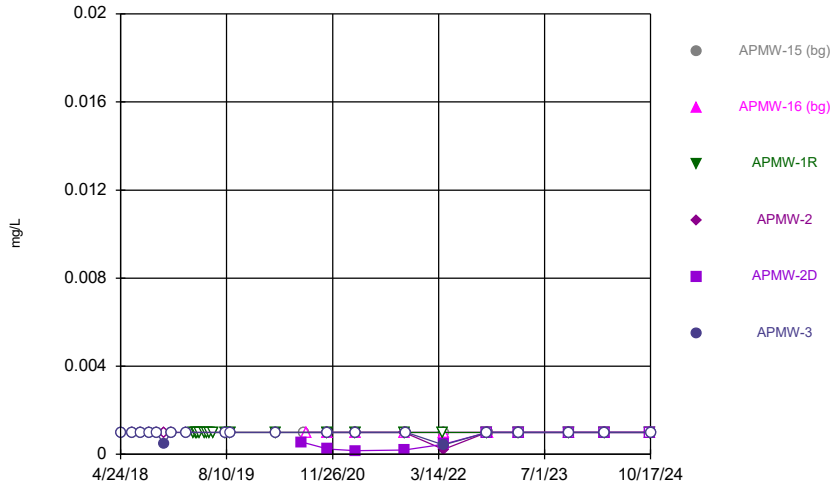
Time Series



Constituent: Lead Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

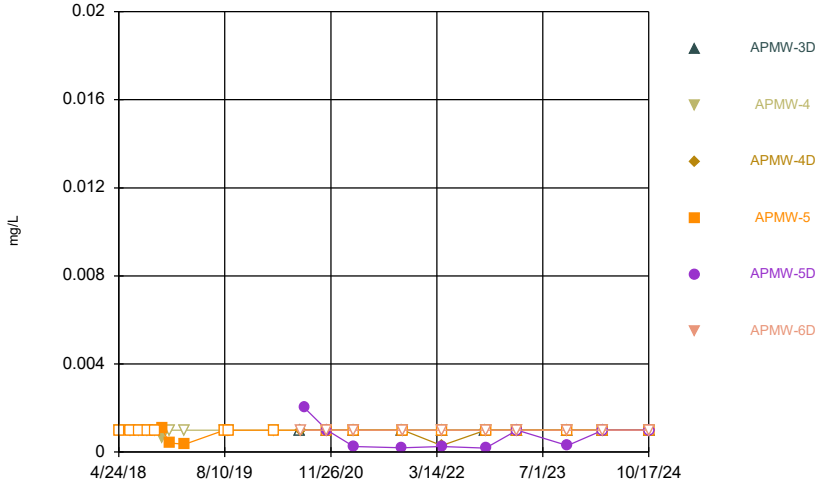
Time Series



Constituent: Lead Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

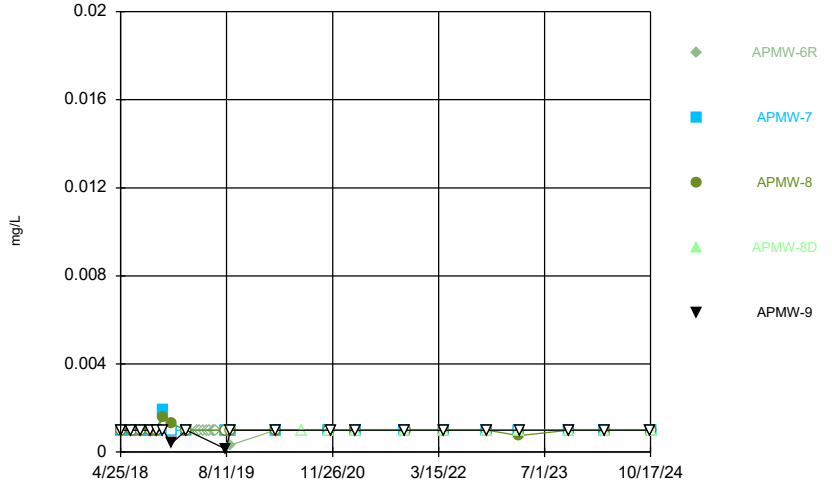
Time Series



Constituent: Lead Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

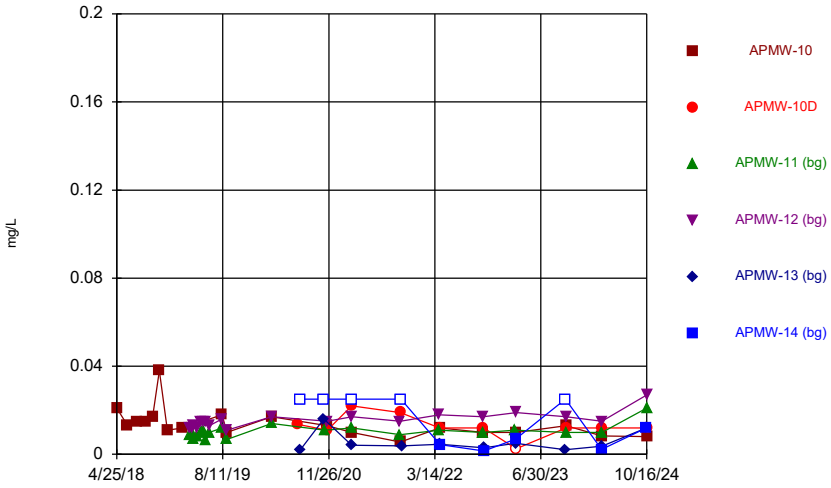
Time Series



Constituent: Lead Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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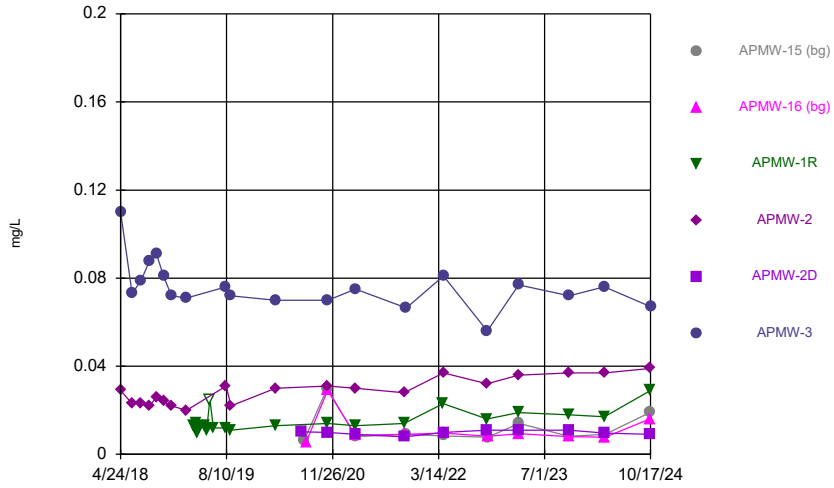
Time Series



Constituent: Lithium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

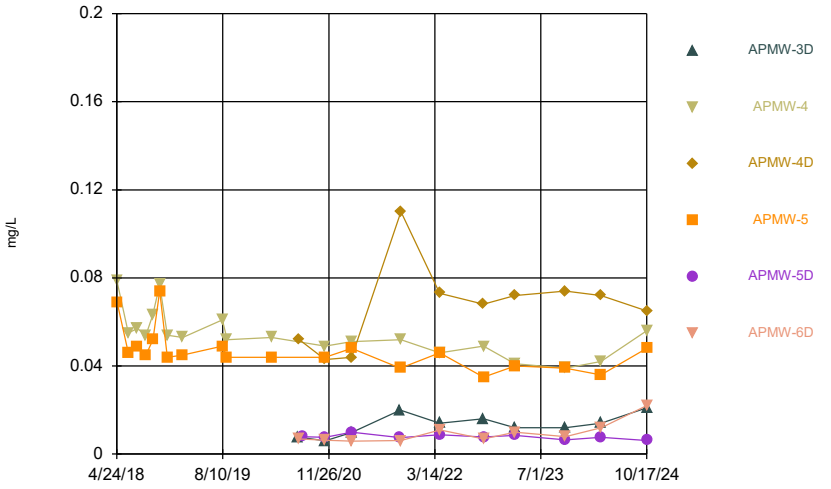
Time Series



Constituent: Lithium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

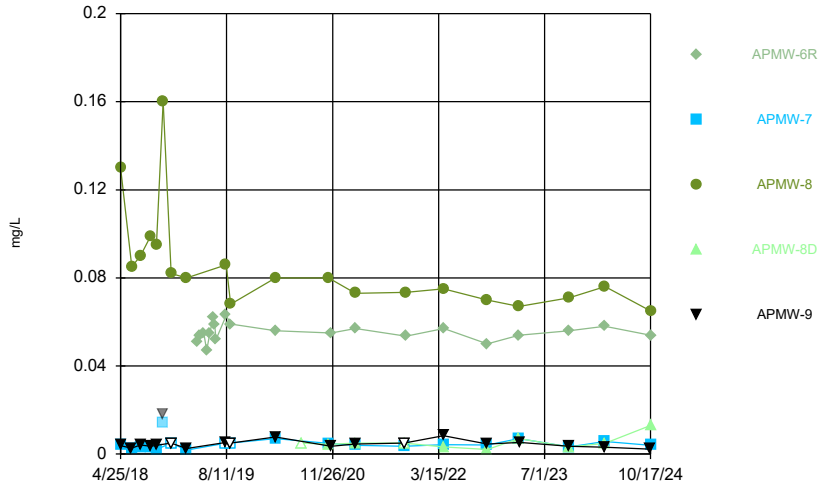
Time Series



Constituent: Lithium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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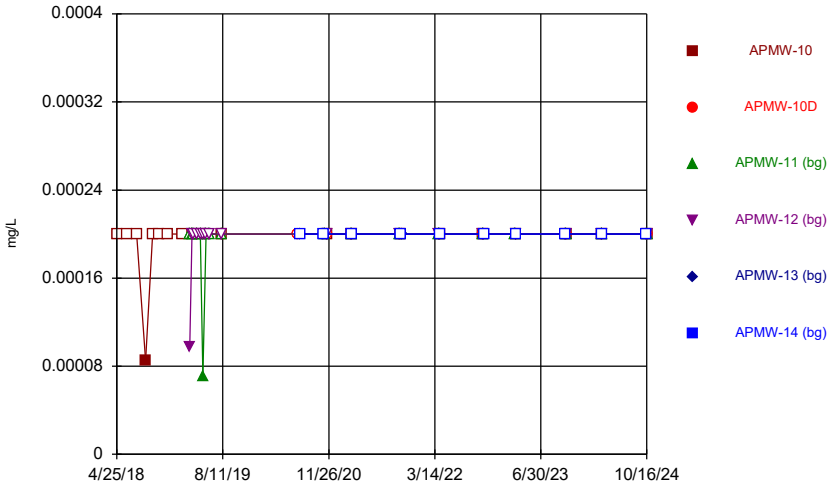
Time Series



Constituent: Lithium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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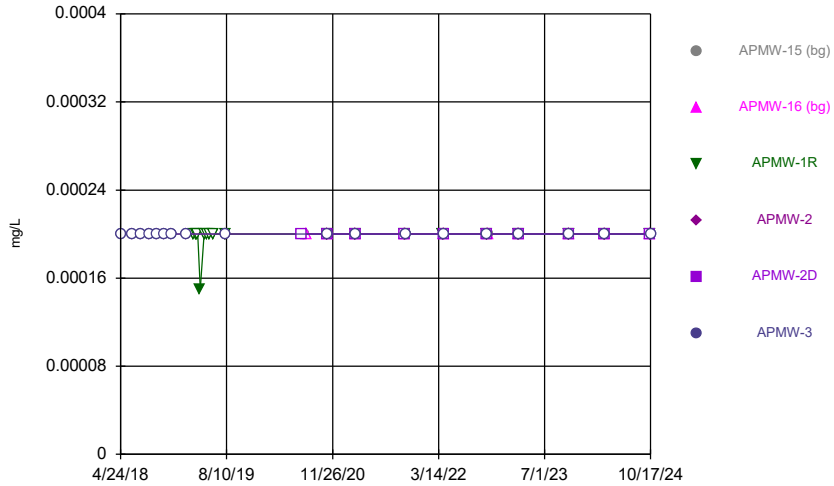
Time Series



Constituent: Mercury Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

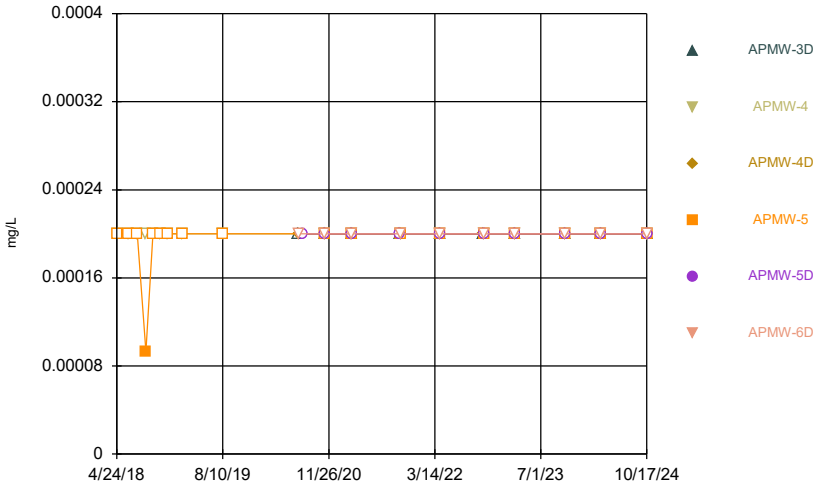
Time Series



Constituent: Mercury Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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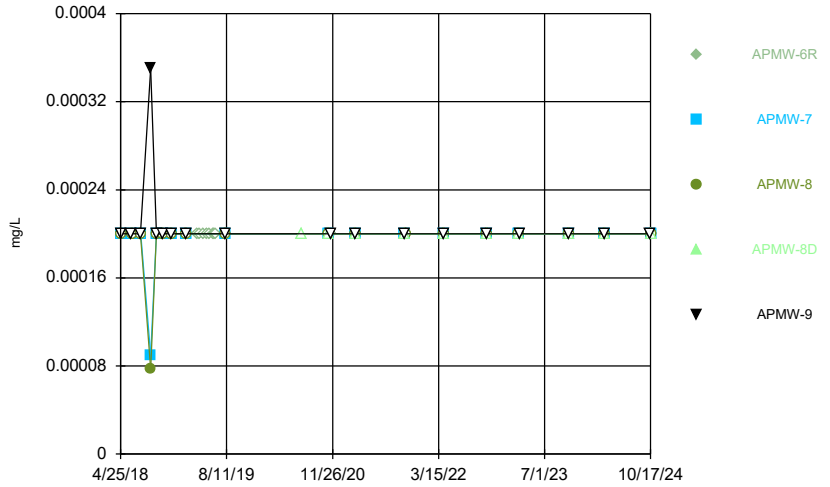
Time Series



Constituent: Mercury Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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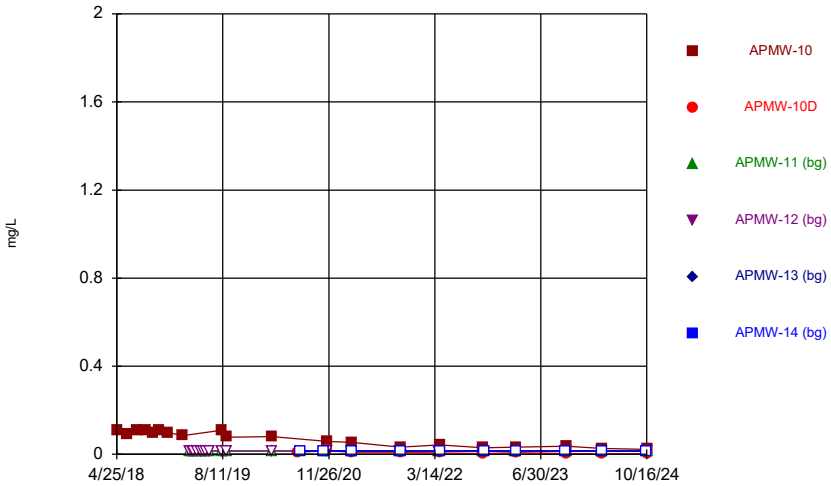
Time Series



Constituent: Mercury Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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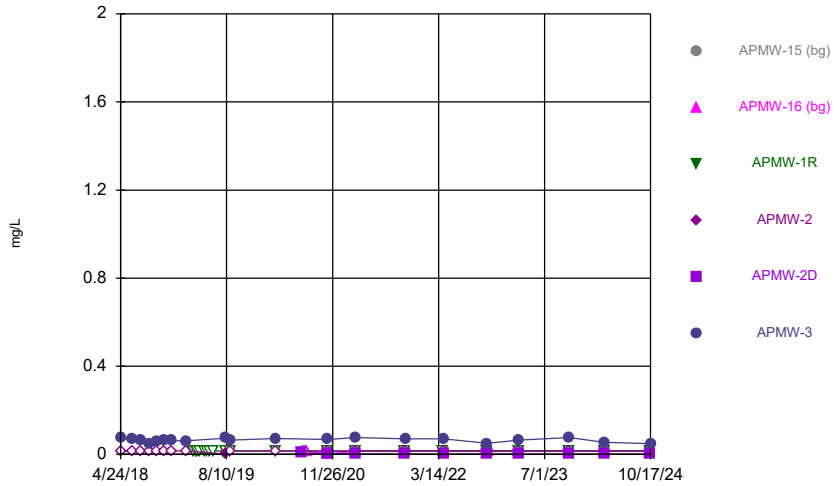
Time Series



Constituent: Molybdenum Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

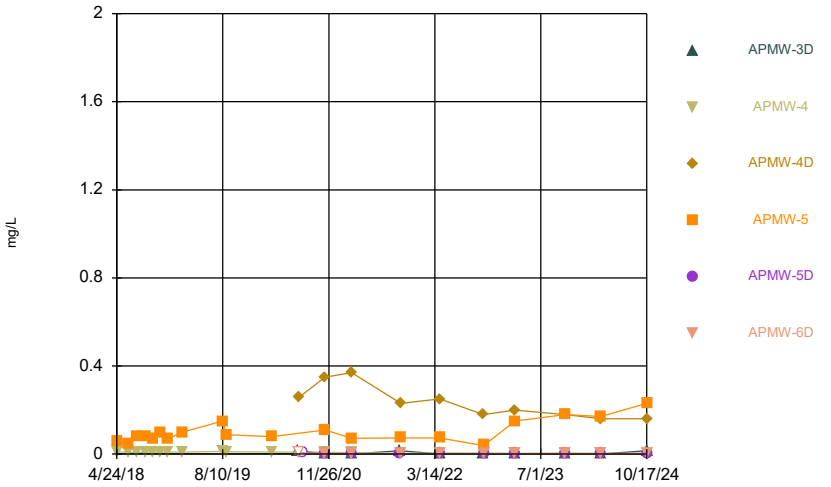
Time Series



Constituent: Molybdenum Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

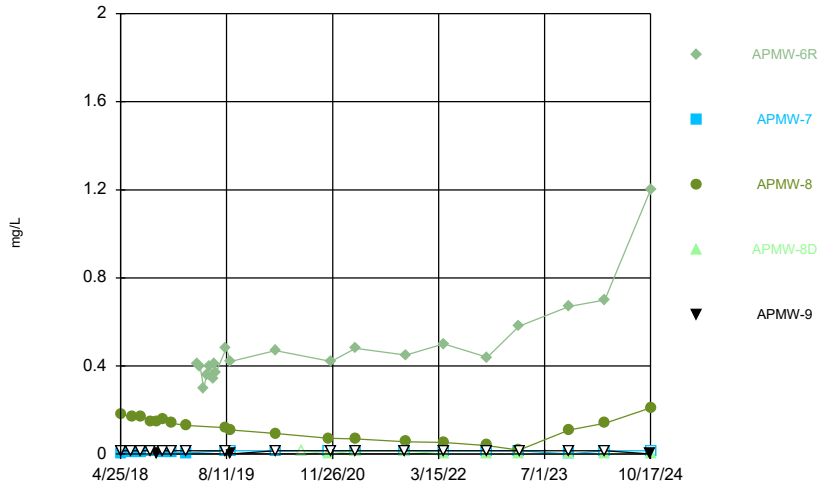
Time Series



Constituent: Molybdenum Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
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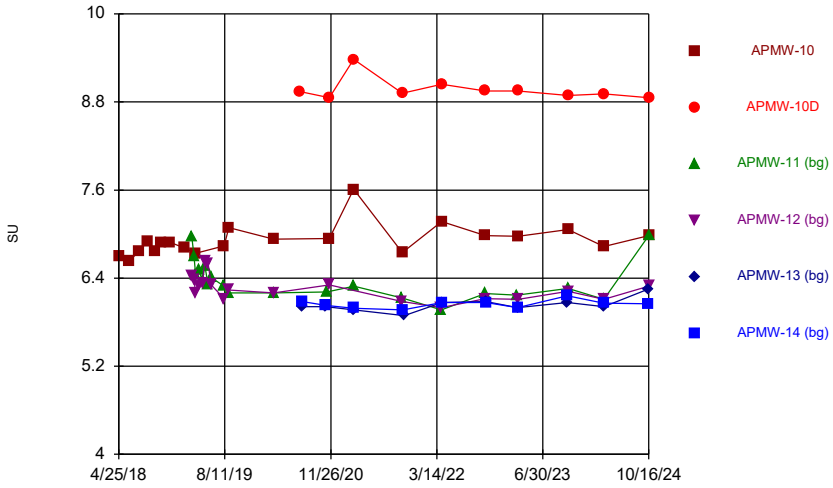
Time Series



Constituent: Molybdenum Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

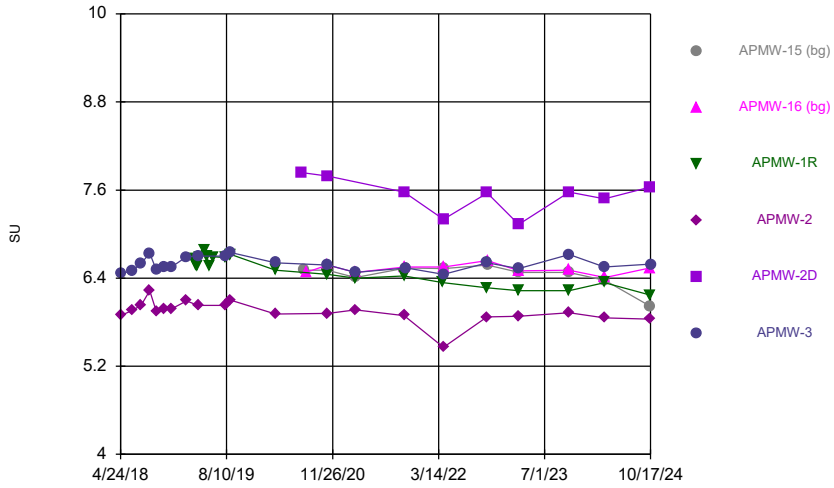
Time Series



Constituent: pH Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

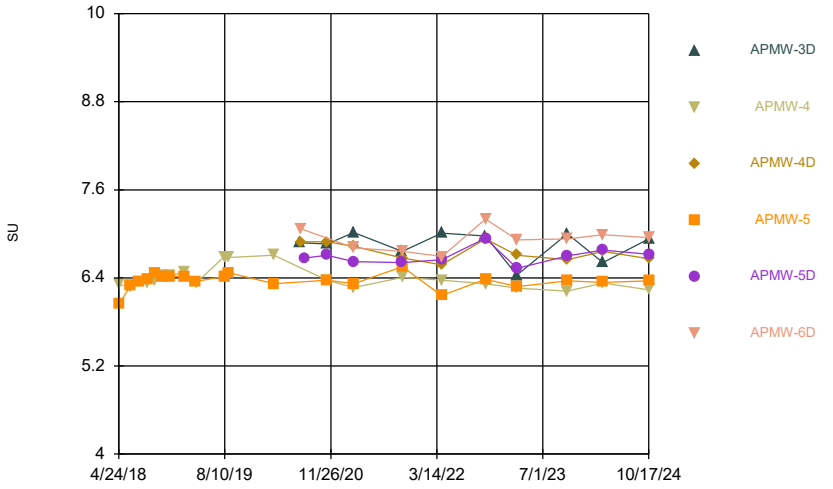
Time Series



Constituent: pH Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

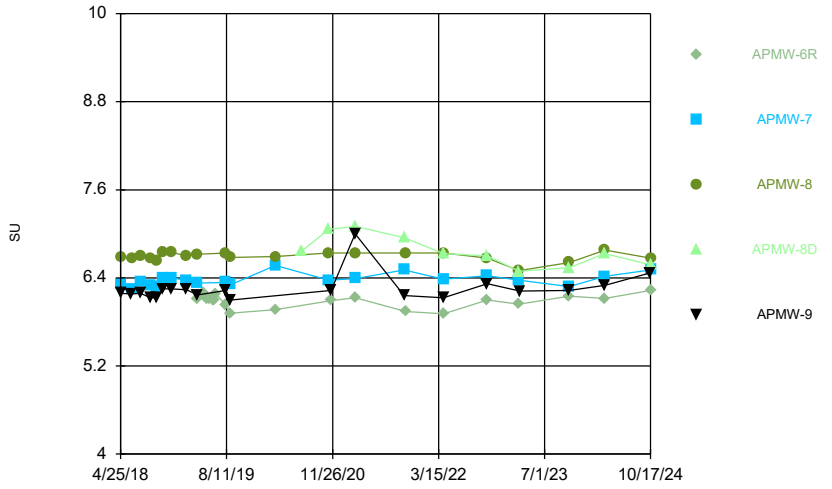
Time Series



Constituent: pH Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

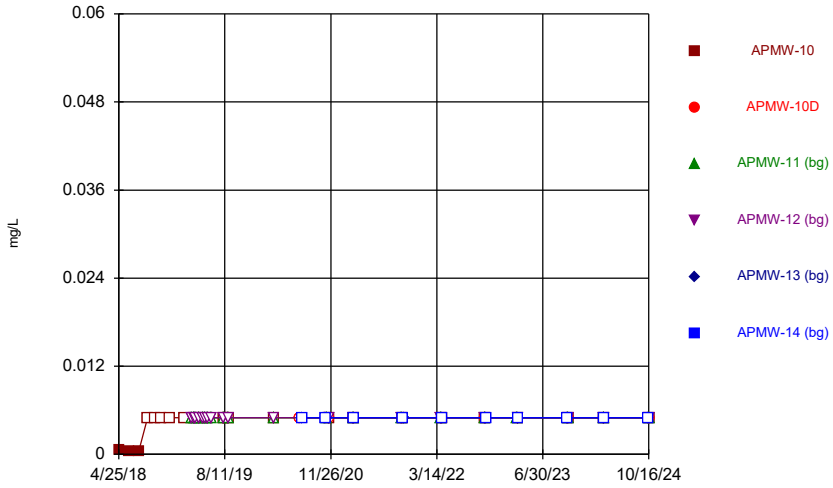
Time Series



Constituent: pH Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

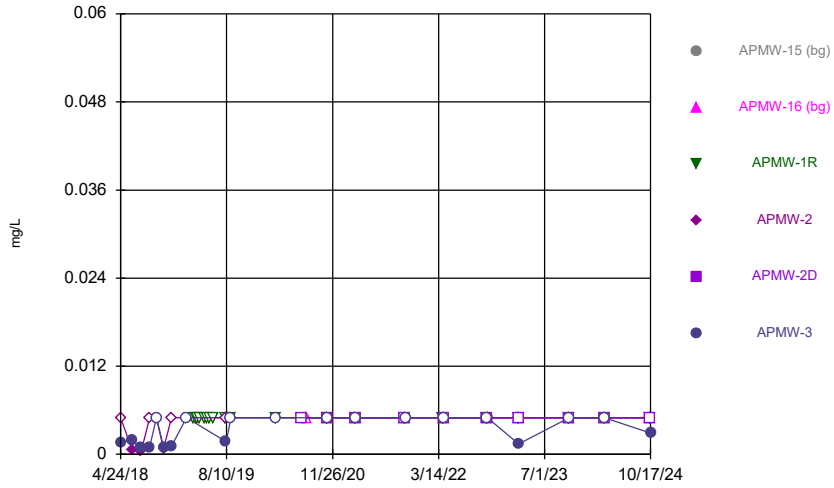
Time Series



Constituent: Selenium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

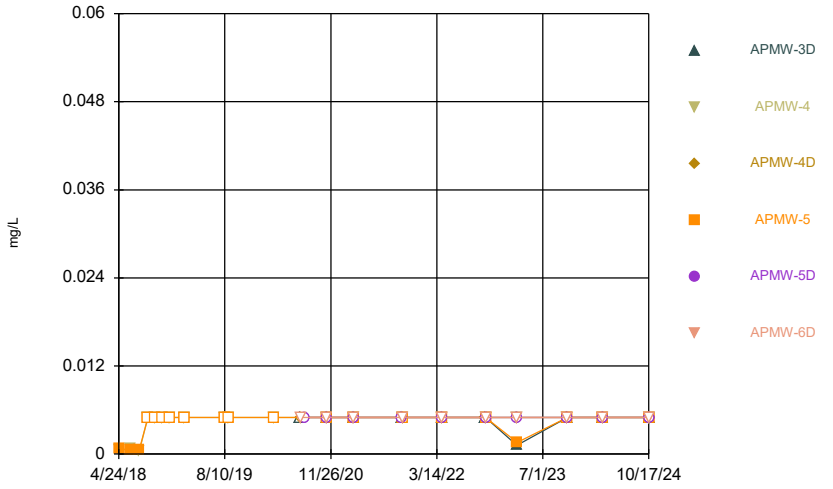
Time Series



Constituent: Selenium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

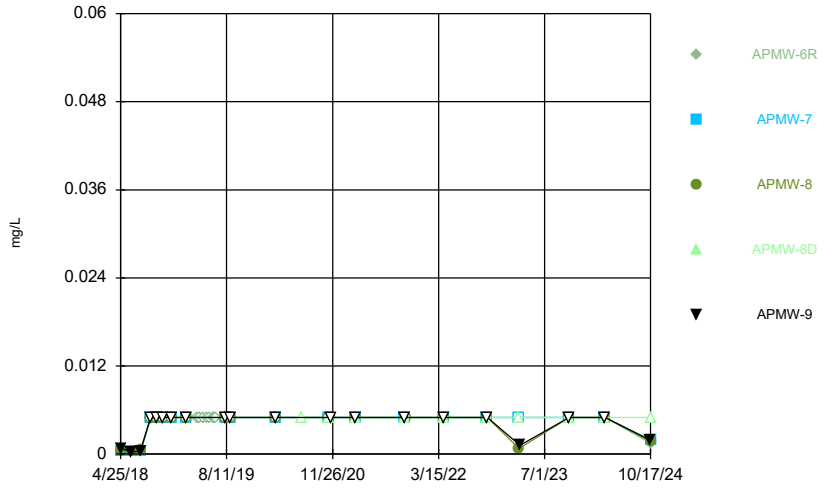
Time Series



Constituent: Selenium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

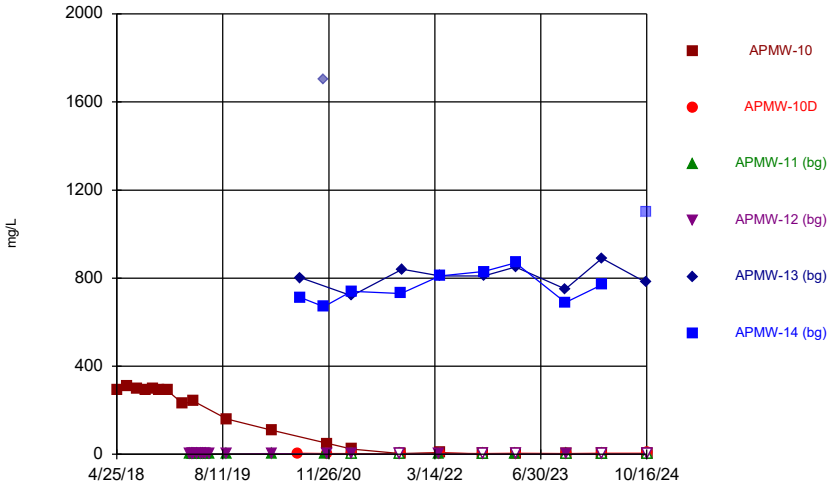
Time Series



Constituent: Selenium Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

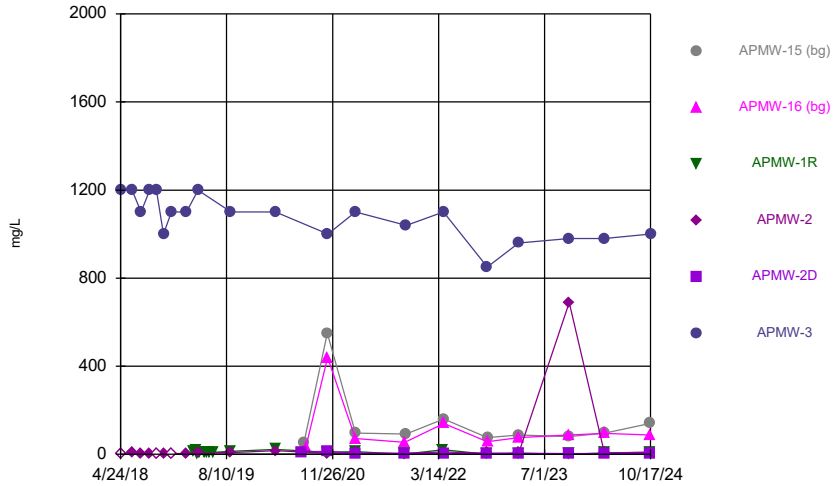
Time Series



Constituent: Sulfate Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

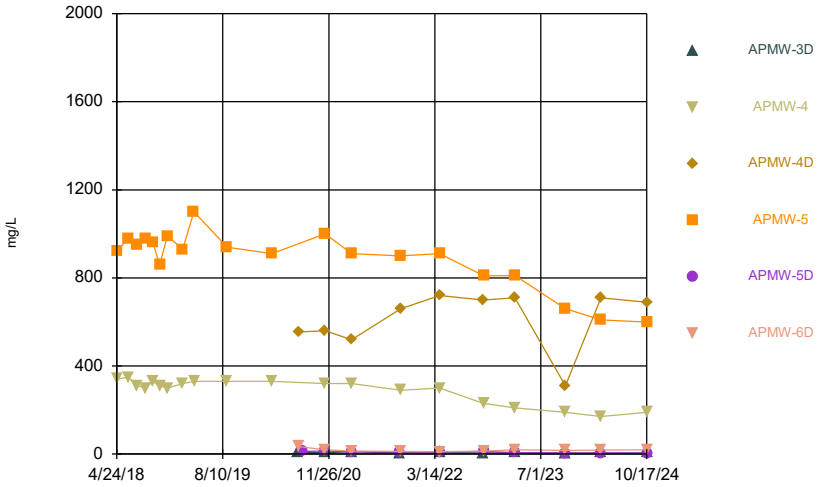
Time Series



Constituent: Sulfate Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

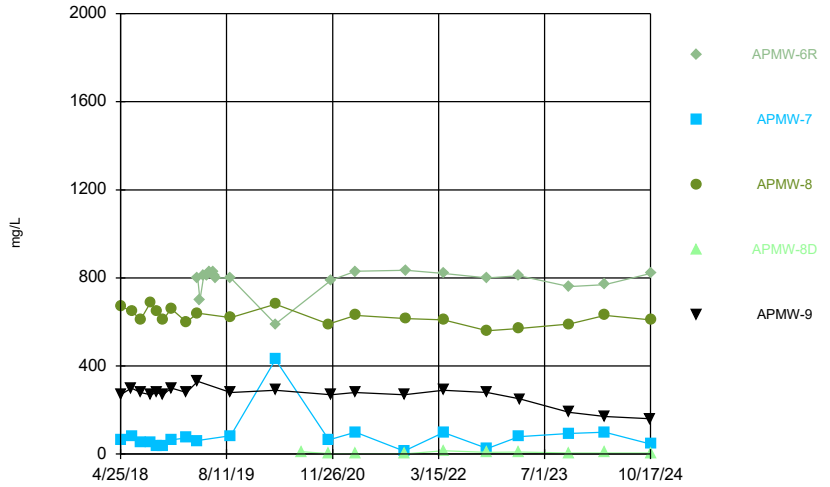
Time Series



Constituent: Sulfate Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

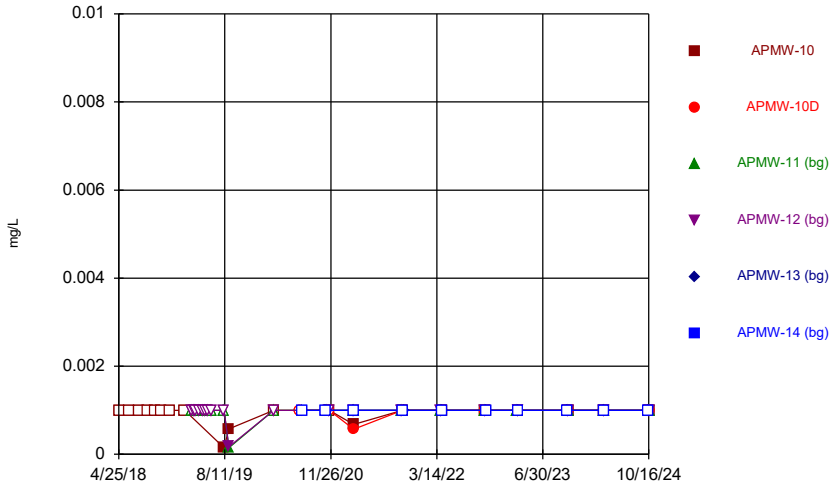
Time Series



Constituent: Sulfate Analysis Run 12/6/2024 4:06 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

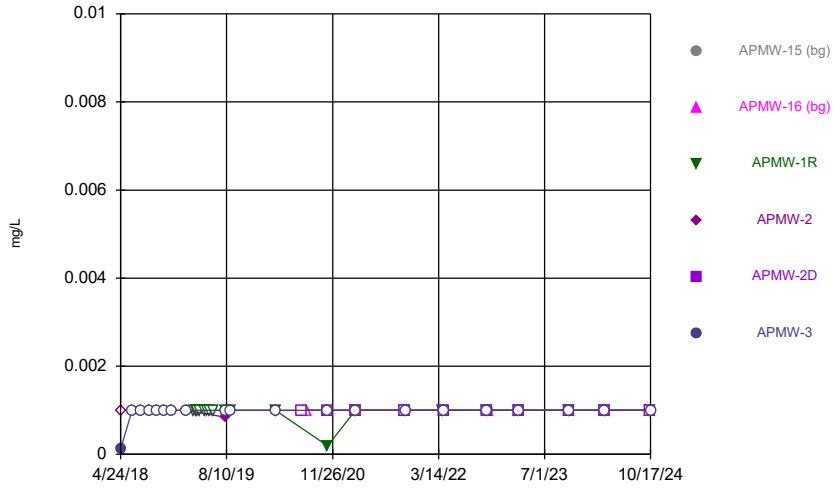
Time Series



Constituent: Thallium Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

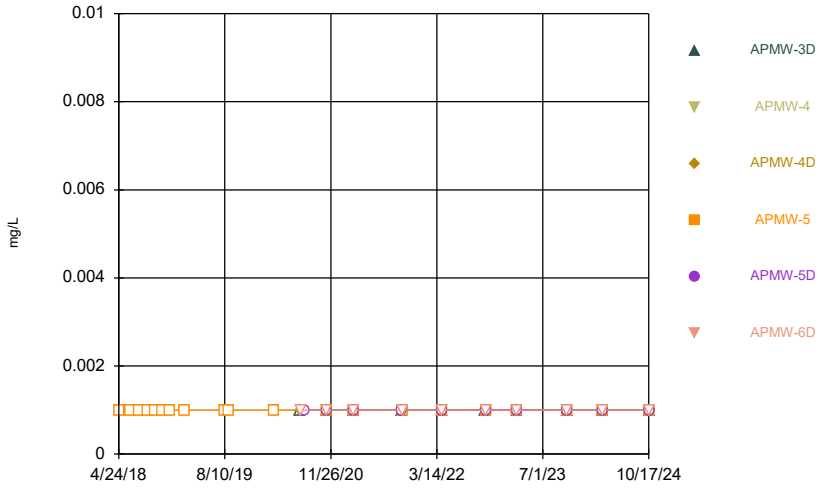
Time Series



Constituent: Thallium Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

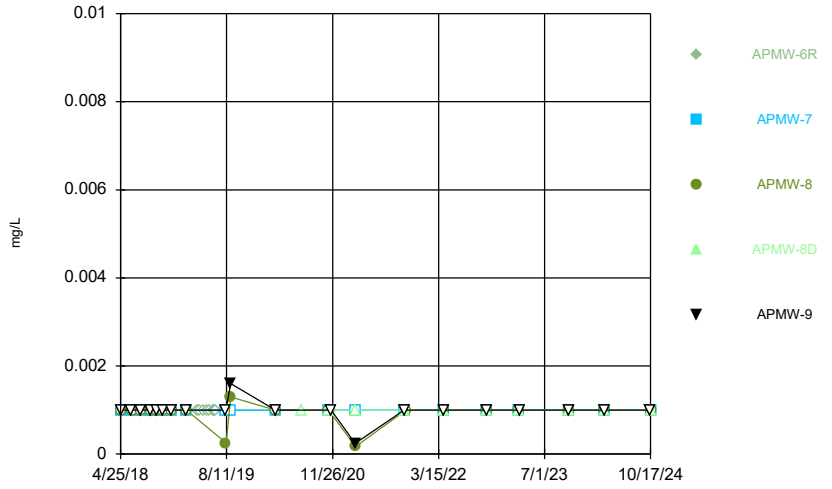
Time Series



Constituent: Thallium Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

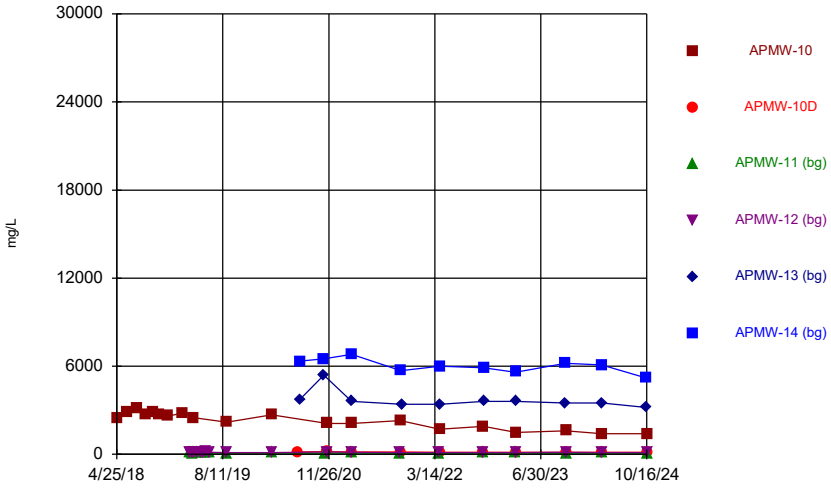
Time Series



Constituent: Thallium Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

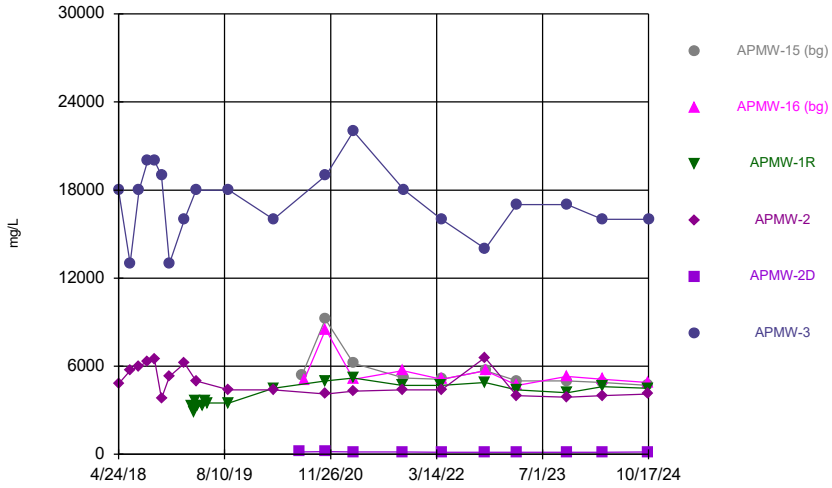
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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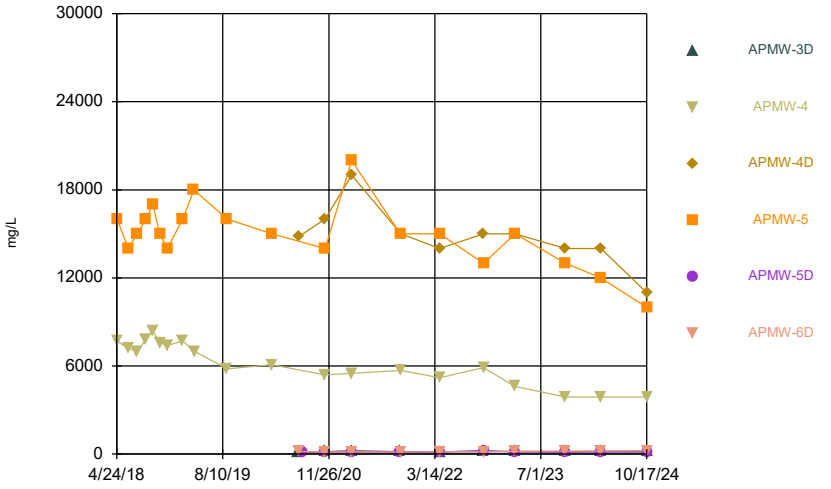
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

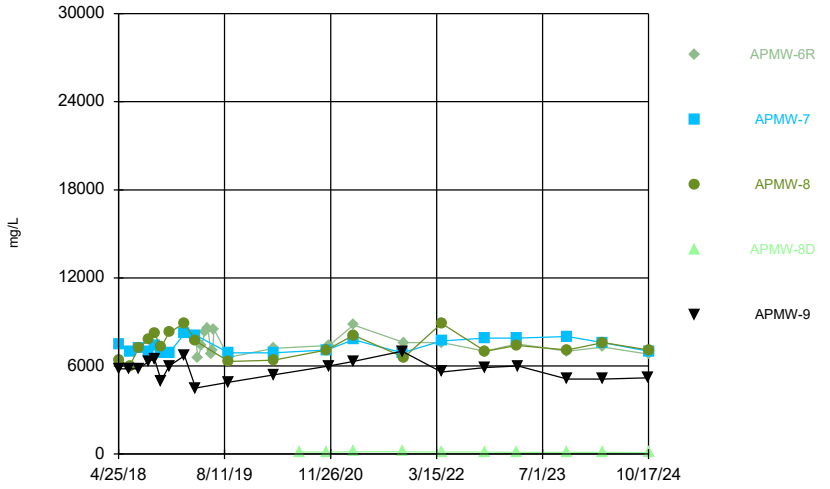
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:07 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			<0.002	<0.002		
8/8/2019	<0.002		<0.002	<0.002		
8/29/2019			<0.002	<0.002		
8/30/2019	<0.002					
3/17/2020	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			<0.002	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	0.00053 (J)				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					<0.002	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
10/14/2024					<0.002	<0.002
10/16/2024	<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 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		<0.002
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			<0.002			
8/8/2019			<0.002	0.0014 (J)		<0.002
8/30/2019			<0.002	<0.002		<0.002
3/16/2020			<0.002	<0.002		<0.002
7/11/2020					<0.002	
7/21/2020	<0.002					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	0.00059 (J)
10/19/2022	<0.002	0.00055 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	<0.002	<0.002				
10/18/2023	<0.002	<0.002				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				
10/14/2024	<0.002	<0.002				
10/16/2024			<0.002	<0.002	<0.002	
10/17/2024						0.0014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.002				
4/25/2018				<0.002		
6/14/2018		<0.002		<0.002		
7/24/2018		<0.002		<0.002		
9/1/2018		<0.002		<0.002		
10/1/2018		<0.002				
10/2/2018				<0.002		
11/2/2018		<0.002		<0.002		
12/6/2018		<0.002		<0.002		
2/13/2019		<0.002		<0.002		
8/9/2019		<0.002		<0.002		
8/30/2019		<0.002		<0.002		
3/16/2020		<0.002				
3/17/2020				<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					<0.002	
11/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						0.00075 (J)
10/18/2022	<0.002		<0.002			
10/19/2022		<0.002		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002			
10/20/2023				<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
3/28/2024						<0.002
10/17/2024	<0.002	<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 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.002	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		<0.002	<0.002		
7/23/2018			<0.002		<0.002
7/24/2018		<0.002			
9/6/2018		<0.002	<0.002		<0.002
10/2/2018		<0.002	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		<0.002			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
8/30/2019	<0.002	<0.002	<0.002		<0.002
3/17/2020	<0.002	<0.002	<0.002		<0.002
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	0.00066 (J)	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002
10/16/2024					<0.002
10/17/2024	<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 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.13					
6/13/2018	0.11					
7/23/2018	0.13					
9/1/2018	0.12					
10/2/2018	0.11					
11/1/2018	0.11					
12/6/2018	0.12					
2/13/2019	0.098					
3/16/2019			0.00062 (J)	0.00084 (J)		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	0.0013 (D)		
4/16/2019			<0.005	0.0013		
5/3/2019			<0.005	0.0011 (J)		
5/14/2019			<0.005	0.00061 (J)		
5/29/2019			0.00037 (J)	0.0011		
6/12/2019			0.00056 (J)	0.0013		
8/8/2019	0.11		<0.005	0.001		
8/29/2019			<0.005	0.00041 (J)		
8/30/2019	0.079					
3/17/2020	0.093		<0.005	0.00043 (J)		
7/13/2020		0.0116				
7/21/2020					<0.005	0.00215
11/4/2020					0.00032 (J)	<0.005
11/9/2020			<0.005			
11/20/2020	0.072	0.019		0.00042 (J)		
3/8/2021	0.047	0.01			<0.005	<0.005
3/10/2021			<0.005	0.00039 (J)		
10/11/2021			<0.005	0.00031 (J)		
10/12/2021	0.028	0.011				
10/15/2021						0.00058 (J)
10/20/2021					<0.005	
4/4/2022			<0.005	0.00044 (J)		
4/5/2022	0.039	0.016				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	0.00034 (J)		
10/18/2022	0.037	0.0054				
10/19/2022					<0.005	0.00033 (J)
3/7/2023			<0.005			
3/10/2023					<0.005	0.00034 (J)
3/13/2023	0.032	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	0.037	0.007 (J)	<0.005	<0.005		
3/28/2024						0.00029 (J)
3/29/2024	0.032	0.007	<0.005	<0.005	<0.005	
10/14/2024					0.0021 (J)	0.0013 (J)
10/16/2024	0.029	0.0072 (J)	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.00077 (J)		0.084
6/14/2018				<0.005		0.081
7/24/2018				<0.005		0.093
9/1/2018				<0.005		0.099
10/1/2018				0.00094 (J)		0.077
11/2/2018				0.0012 (J)		0.067
12/7/2018				<0.005		0.063
2/13/2019				<0.005		0.065
3/16/2019			0.0021			
3/27/2019			0.0019			
4/3/2019			0.0019			
4/15/2019			0.0025			
5/2/2019			0.0019			
5/14/2019			0.0027			
5/28/2019			<0.005			
6/12/2019			0.0023			
8/8/2019			0.0012	0.00035 (J)		0.074
8/30/2019			0.0011	<0.005		0.07
3/16/2020			0.00085 (J)	<0.005		0.071
7/11/2020					0.00374	
7/21/2020	0.00277					
7/30/2020		0.00496				
11/3/2020	0.0013					
11/4/2020		0.0036	0.00069 (J)			
11/5/2020				<0.005	0.0033	0.064
3/8/2021	0.00073 (J)	0.00072 (J)	0.0005 (J)	<0.005	0.0032	
3/9/2021						0.042
10/12/2021			<0.005	<0.005	0.0027	
10/15/2021		0.0007 (J)				
10/20/2021	0.00079 (JD)					
10/21/2021						0.0445 (D)
4/4/2022			0.0004 (J)			
4/5/2022				<0.005	0.0029	0.047
4/7/2022	0.00063 (J)	0.00078 (J)				
10/17/2022			0.00031 (J)	<0.005		
10/18/2022					0.0028	0.061
10/19/2022	0.00062 (J)	0.0011				
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072
3/10/2023	0.00078 (J)	0.00073 (J)				
10/18/2023	0.00094 (J)	0.0016 (J)				
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072
3/28/2024	0.00094 (J)	0.0012				
10/14/2024	0.0019 (J)	0.0012 (J)				
10/16/2024			<0.005	<0.005	0.002 (J)	
10/17/2024						0.083

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.019				
4/25/2018				0.24		
6/14/2018		0.018		0.22		
7/24/2018		0.018		0.23		
9/1/2018		0.017		0.22		
10/1/2018		0.017				
10/2/2018				0.21		
11/2/2018		0.018		0.26		
12/6/2018		0.018		0.23		
2/13/2019		0.019		0.23		
8/9/2019		0.018		0.24		
8/30/2019		0.016		0.2		
3/16/2020		0.017				
3/17/2020				0.21		
7/13/2020	0.002					
7/14/2020			0.00773			0.00412
7/30/2020					0.00958	
11/9/2020	0.0033	0.018	0.0043	0.26	0.012	
11/10/2020						0.0041
3/9/2021	0.0035	0.016	0.0059	0.21	0.013	
3/10/2021						0.0045
10/11/2021	0.0037				0.013	
10/12/2021				0.21		
10/14/2021		0.012	0.0046			0.0055
4/5/2022	0.0028		0.0044			
4/6/2022		0.011		0.21	0.016	
4/7/2022						0.0052
10/18/2022	0.0037		0.0028			
10/19/2022		0.0073		0.18	0.014	0.0031
3/8/2023	0.0027	0.0075	0.0031			
3/9/2023				0.22	0.016	0.0041
10/19/2023	0.0033 (J)	0.0076 (J)	0.0039 (J)			
10/20/2023				0.25	0.022	0.0055 (J)
3/26/2024	0.0039	0.0041	0.0033	0.21	0.019	
3/28/2024						0.0051
10/17/2024	0.0036 (J)	0.0059 (J)	0.0029 (J)	0.22	0.021	0.006 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0021	0.097		0.0016
6/13/2018					0.001 (J)
6/14/2018		0.0015	0.089		
7/23/2018			0.094		0.0011 (J)
7/24/2018		0.0015			
9/6/2018		0.0013	0.082		0.0011 (J)
10/2/2018		0.0014	0.075		0.0015
11/1/2018			0.081		0.0014
11/2/2018		0.0028			
12/6/2018		0.0033	0.079		0.0016
2/13/2019		0.0012 (J)	0.077		0.0013
4/5/2019	0.13 (D)				
4/15/2019	0.13				
5/2/2019	0.089				
5/14/2019	0.13				
5/29/2019	0.12				
6/12/2019	0.13				
6/19/2019	0.16				
6/25/2019	0.13				
8/8/2019					0.0012
8/9/2019	0.16	0.00053 (J)	0.052		
8/30/2019	0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.18	0.00053 (J)	0.043		0.001
7/13/2020				0.000995 (J)	
11/9/2020			0.036		
11/10/2020		0.00058 (J)		0.0034	
11/20/2020	0.18				0.0012
3/8/2021					0.0015
3/9/2021	0.21	0.00045 (J)	0.035	0.0045	
10/12/2021		0.00044 (J)		0.0044	0.0013
10/20/2021	0.2 (D)				
10/21/2021			0.026 (D)		
4/6/2022		0.00048 (J)	0.023	0.0028	0.0013
4/7/2022	0.21				
10/18/2022		0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.21				
3/9/2023	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023					0.0014
10/20/2023	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
3/26/2024	0.3	0.00068 (J)		0.0031	
3/28/2024			0.019		0.0012
10/16/2024					0.0015 (J)
10/17/2024	0.31	0.0029 (J)	0.025	0.0029 (J)	

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.26					
6/13/2018	0.3					
7/23/2018	0.24					
9/1/2018	0.25					
10/2/2018	0.23					
11/1/2018	0.23					
12/6/2018	0.24					
2/13/2019	0.26					
3/16/2019			0.09	0.069		
3/27/2019			0.095 (D)	0.079 (D)		
4/3/2019			0.085 (D)	0.075 (D)		
4/16/2019			0.081	0.072		
5/3/2019			0.074	0.076		
5/14/2019			0.083	0.076		
5/29/2019			0.04	0.091		
6/12/2019			0.066	0.083		
8/8/2019	0.24		0.053	0.065		
8/29/2019			0.043	0.071		
8/30/2019	0.2					
3/17/2020	0.25		0.037	0.07		
7/13/2020		0.0358				
7/21/2020					0.212	0.243
11/4/2020					0.11	0.22
11/9/2020			0.038			
11/20/2020	0.27	0.032		0.065		
3/8/2021	0.32	0.026			0.24	0.21
3/10/2021			0.038	0.06		
10/11/2021			0.037	0.06		
10/12/2021	0.34	0.027				
10/15/2021						0.22
10/20/2021					0.25	
4/4/2022			0.037	0.062		
4/5/2022	0.37	0.027				
4/7/2022					0.24	0.23
10/17/2022			0.037	0.057		
10/18/2022	0.37	0.027				
10/19/2022					0.23	0.19
3/7/2023			0.034			
3/10/2023					0.22	0.19
3/13/2023	0.38	<0.01				
3/14/2023				0.062		
10/18/2023					0.21	0.25
10/21/2023	0.32	0.026	0.038	0.065		
3/28/2024						0.21
3/29/2024	0.34	0.025	0.037	0.065	0.2	
10/14/2024					0.24	0.22
10/16/2024	0.34	0.024 (J)	0.041	0.075		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2.8		0.097
6/14/2018				3.1		0.11
7/24/2018				3		0.1
9/1/2018				2.9		0.12
10/1/2018				4		0.1
11/2/2018				3.1		0.1
12/7/2018				3.3		0.11
2/13/2019				2.9		0.1
3/16/2019			0.89			
3/27/2019			1.1			
4/3/2019			1.1			
4/15/2019			0.98			
5/2/2019			0.94			
5/14/2019			1			
5/28/2019			1			
6/12/2019			0.91			
8/8/2019			0.93	3.2		0.1
8/30/2019			0.91	2.7		0.1
3/16/2020			1.2	3.2		0.1
7/11/2020					0.0418	
7/21/2020	0.059					
7/30/2020		0.0659				
11/3/2020	0.054					
11/4/2020		0.076	1.4			
11/5/2020				3.2	0.038	0.1
3/8/2021	0.048	0.063	1.3	3.3	0.037	
3/9/2021						0.1
10/12/2021			1.5	3.3	0.04	
10/15/2021		0.067				
10/20/2021	0.049					
10/21/2021						0.095
4/4/2022			1.6			
4/5/2022				3.6	0.049	0.098
4/7/2022	0.048	0.067				
10/17/2022			1.7	3.4		
10/18/2022					0.067	0.096
10/19/2022	0.043	0.069				
3/8/2023			1.8	3.6	0.06	0.11
3/10/2023	0.045	0.055				
10/18/2023	0.048	0.082				
10/19/2023			1.9	3.9	0.068	0.071
3/25/2024			1.6	3.9	0.066	0.099
3/28/2024	0.036	0.067				
10/14/2024	0.069	0.073				
10/16/2024			2.2	4.5	0.073	
10/17/2024						0.1

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.46				
4/25/2018				0.093		
6/14/2018		0.5		0.11		
7/24/2018		0.54		0.093		
9/1/2018		0.53		0.1		
10/1/2018		0.5				
10/2/2018				0.1		
11/2/2018		0.5		0.12		
12/6/2018		0.43		0.1		
2/13/2019		0.45		0.1		
8/9/2019		0.33		0.11		
8/30/2019		0.29		0.086		
3/16/2020		0.27				
3/17/2020				0.1		
7/13/2020	0.135					
7/14/2020			0.342			0.107
7/30/2020					0.0659	
11/9/2020	0.14	0.23	0.24	0.1	0.069	
11/10/2020						0.077
3/9/2021	0.16	0.22	0.21	0.1	0.059	
3/10/2021						0.087
10/11/2021	0.18				0.052	
10/12/2021				0.1		
10/14/2021		0.21	0.13			0.1
4/5/2022	0.18		0.097			
4/6/2022		0.17		0.11	0.053	
4/7/2022						0.13
10/18/2022	0.19		0.088			
10/19/2022		0.23		0.1	0.053	0.073
3/8/2023	0.16	0.17	0.083			
3/9/2023				0.11	0.043	0.15
10/19/2023	0.18	0.16	0.088			
10/20/2023				0.11	0.044	0.16
3/26/2024	0.17	0.14	0.082	0.097	0.041	
3/28/2024						0.19
10/17/2024	0.18	0.15	0.077	0.1	0.036	0.19

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.66	0.2		0.42
6/13/2018					0.45
6/14/2018		0.74	0.22		
7/23/2018			0.2		0.42
7/24/2018		0.72			
9/6/2018		0.79	0.22		0.45
10/2/2018		0.93	0.21		0.43
11/1/2018			0.21		0.43
11/2/2018		1.1			
12/6/2018		0.7	0.22		0.44
2/13/2019		0.59	0.23		0.44
4/5/2019	0.071 (D)				
4/15/2019	0.067				
5/2/2019	0.071				
5/14/2019	0.068				
5/29/2019	0.067 (J)				
6/12/2019	0.064 (J)				
6/19/2019	0.059 (J)				
6/25/2019	0.057 (J)				
8/8/2019					0.42
8/9/2019	0.058	0.76	0.2		
8/30/2019	0.052	0.56	0.2		0.42
3/17/2020	0.05	0.53	0.21		0.49
7/13/2020				0.192	
11/9/2020			0.23		
11/10/2020		0.77		0.12	
11/20/2020	0.048				0.48
3/8/2021					0.47
3/9/2021	0.055	0.53	0.22	0.15	
10/12/2021		0.97		0.14	0.49
10/20/2021	0.048				
10/21/2021			0.23		
4/6/2022		0.61	0.24	0.12	0.52
4/7/2022	0.043 (J)				
10/18/2022		0.97	0.24	0.1	0.5
10/19/2022	0.044				
3/9/2023	0.046	0.65	0.3	0.1	
3/13/2023					0.55
10/20/2023	0.048	0.7	0.3	0.082	0.4
3/26/2024	0.042	0.58		0.075	
3/28/2024			0.23		0.64
10/16/2024					0.57
10/17/2024	0.043	0.92	0.26	0.074	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			0.00019 (J)	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			0.0002 (J)	0.00023 (J)		
8/30/2019	0.00043 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			<0.0025			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	0.00061 (J)		<0.0025
8/30/2019			0.00019 (J)	0.00023 (J)		0.00018 (J)
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	0.00018 (J)	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	0.00024 (J)	<0.0025	
10/17/2024						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 4:07 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025
10/17/2024	<0.0025	0.00024 (J)	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	<0.0025	<0.0025	<0.0025		
8/30/2019	0.00036 (J)	0.00025 (J)	0.00038 (J)		0.00049 (J)
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					0.00024 (J)
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	0.0003 (J)	<0.0025	
3/13/2023					0.00027 (J)
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	<0.0025	<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1.7					
6/13/2018	1.7					
7/23/2018	2					
9/1/2018	1.9					
10/2/2018	1.8					
11/1/2018	1.8					
12/6/2018	1.9					
2/13/2019	2.4					
3/16/2019			0.028 (J)	0.035 (J)		
3/27/2019			0.027 (JD)	0.033 (JD)		
4/3/2019			0.089 (D)	0.023 (JD)		
4/4/2019	1.8					
4/16/2019			<0.08	<0.08		
5/3/2019			<0.08	0.021 (J)		
5/14/2019			<0.08	<0.08		
5/29/2019			0.034 (J)	0.044 (J)		
6/12/2019			0.05 (J)	0.047 (J)		
8/29/2019			<0.08	<0.08		
8/30/2019	1.9					
3/17/2020	1.9		0.057 (J)	0.057 (J)		
7/13/2020		0.105				
7/21/2020					0.58	0.718
11/4/2020					0.88	0.85
11/9/2020			<0.08			
11/20/2020	1.8	0.22		0.098		
3/8/2021	1.8	0.14			0.63	0.71
3/10/2021			<0.08	0.046 (J)		
10/11/2021			0.053 (J)	0.045 (J)		
10/12/2021	1.9	0.14				
10/15/2021						0.78
10/20/2021					0.64	
4/4/2022			0.11	0.082		
4/5/2022	2.1	0.15				
4/7/2022					0.61	0.71
10/17/2022			<0.08	<0.08		
10/18/2022	2.4	0.21				
10/19/2022					0.66	0.75
3/7/2023			<0.08			
3/10/2023					0.66	0.69
3/13/2023	2.1	0.11				
3/14/2023				<0.08		
10/18/2023					0.62	0.77
10/21/2023	2.7	0.19 (J)	0.056 (J)	0.047 (J)		
3/28/2024						0.84
3/29/2024	2.4	0.17	<0.08	<0.08	0.54	
10/14/2024					0.69	0.78
10/16/2024	2.2 (J)	0.11 (J)	0.026 (J)	0.046 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4.1		5.3
6/14/2018				4		5.1
7/24/2018				4.3		5.5
9/1/2018				4		4.9
10/1/2018				4		5
11/2/2018				3.5		4.6
12/7/2018				3.9		4.8
2/13/2019				4.4		6
3/16/2019			4.5			
3/27/2019			5.2			
4/3/2019			5.3			
4/5/2019				3.6		4.5
4/15/2019			5.9			
5/2/2019			5.3			
5/14/2019			5.5			
5/28/2019			5.7			
6/12/2019			4.4			
8/30/2019			6.2	3.7		5
3/16/2020			7.2	3.7		5.3
7/11/2020					0.0771	
7/21/2020	0.609					
7/30/2020		0.62				
11/3/2020	1.2					
11/4/2020		1.2	6.8			
11/5/2020				3.6	0.12	5.1
3/8/2021	0.59	0.6	7.3	3.5	0.094	
3/9/2021						5.5
10/12/2021			7.2	3.8	0.37	
10/15/2021		0.77				
10/20/2021	0.65					
10/21/2021						5.1
4/4/2022			6.6			
4/5/2022				3.7	0.11	6.3
4/7/2022	0.61	0.58				
10/17/2022			1.3	3.1		
10/18/2022					0.16	5.6
10/19/2022	0.73	0.71				
3/8/2023			5.3	3.6	0.11	5.7
3/10/2023	0.66	0.67				
10/18/2023	0.72	0.71				
10/19/2023			5	3.4	0.17 (J)	5
3/25/2024			6.7	3.7	0.09	5.5
3/28/2024	0.86	1				
10/14/2024	0.7	0.74				
10/16/2024			5.6	2.8	0.078 (J)	
10/17/2024						4.3 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		1.9				
4/25/2018				6.9		
6/14/2018		1.9		6.8		
7/24/2018		1.9		6.9		
9/1/2018		1.7		6.2		
10/1/2018		1.7				
10/2/2018				6.5		
11/2/2018		1.7		5.5		
12/6/2018		1.7		5.7		
2/13/2019		1.7		7.6		
4/4/2019				5.8		
4/5/2019		1.6				
8/30/2019		1.6		6.1		
3/16/2020		1.6				
3/17/2020				6.6		
7/13/2020	0.0613					
7/14/2020			3.55			0.0574
7/30/2020					0.0792	
11/9/2020	0.072 (J)	1.3	3.6	5.8	0.062 (J)	
11/10/2020						0.068 (J)
3/9/2021	0.099	1.2	3.3	6.1	0.083	
3/10/2021						0.076 (J)
10/11/2021	0.073 (J)				0.11	
10/12/2021				6.1		
10/14/2021		1.2	3.5			0.077
4/5/2022	0.091		4			
4/6/2022		1.1		5.8	0.086	
4/7/2022						0.089
10/18/2022	0.11		3.4			
10/19/2022		1.3		6.5	0.14	0.13
3/8/2023	0.13	0.89	3.9			
3/9/2023				6.6	0.083	0.11
10/19/2023	0.15 (J)	0.93	3.2			
10/20/2023				6	0.086 (J)	0.088 (J)
3/26/2024	0.14	0.92	4.6	6.3	<0.08	
3/28/2024						0.076 (J)
10/17/2024	0.072 (J)	1	3.2	3.2 (J)	0.053 (J)	0.066 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		1	23		6.8
6/13/2018					6.6
6/14/2018		0.91	21		
7/23/2018			22		6.8
7/24/2018		1			
9/6/2018		1.1	21		6.5
10/2/2018		0.95	21		6.5
11/1/2018			19		5.6
11/2/2018		0.82			
12/6/2018		1.1	20		6.4
2/13/2019		0.95	27		8.4
4/4/2019		0.98	20		6.1
4/5/2019	8.9 (D)				
4/15/2019	10				
5/2/2019	10				
5/14/2019	9.3				
5/29/2019	9.5				
6/12/2019	11				
6/19/2019	9.5				
6/25/2019	11				
8/30/2019	11	0.88	19		7.1
3/17/2020	11	0.98	20		7.1
7/13/2020				0.042 (J)	
11/9/2020			21		
11/10/2020		0.94		0.076 (J)	
11/20/2020	9.5				6.5
3/8/2021					6.5
3/9/2021	12	0.91	21	0.095	
10/12/2021		1.2		0.077 (J)	6.7
10/20/2021	11				
10/21/2021			22		
4/6/2022		1.4	19	0.066 (J)	5.9
4/7/2022	10				
10/18/2022		1.2	23	0.14	7.1
10/19/2022	11				
3/9/2023	11	0.87	19	0.091	
3/13/2023					6.2
10/20/2023	13	1.1	21	0.049 (J)	7
3/26/2024	13	1.3		<0.08	
3/28/2024			21		7.8
10/16/2024					7.3 (J)
10/17/2024	13	1	18	0.048 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	<0.0025					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00025 (J)	0.00025 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			0.00045 (J)			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	<0.0025		<0.0025
8/30/2019			<0.0025	<0.0025		<0.0025
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		0.000355 (J)				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	<0.0025	<0.0025	
10/17/2024						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025
10/17/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	0.00014 (J)	<0.0025	<0.0025		
8/30/2019	0.00026 (J)	<0.0025	<0.0025		<0.0025
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	0.00014 (J)	<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	68					
6/13/2018	79					
7/23/2018	73					
9/1/2018	68					
10/2/2018	71					
11/1/2018	67					
12/6/2018	65					
2/13/2019	64					
3/16/2019			17	13		
3/27/2019			16 (D)	15 (D)		
4/3/2019			15 (D)	13 (D)		
4/4/2019	80					
4/16/2019			13	12		
5/3/2019			12	13		
5/14/2019			14	13		
5/29/2019			7	15		
6/12/2019			13	14		
8/29/2019			9.4	12		
8/30/2019	53					
3/17/2020	59		9.8	12		
7/13/2020		2.62				
7/21/2020					97.7	127
11/4/2020					110	120
11/9/2020			11			
11/20/2020	53	2.9		12		
3/8/2021	47	3.4			92	110
3/10/2021			12	12		
10/11/2021			11	12		
10/12/2021	52	3.6				
10/15/2021						110
10/20/2021					97	
4/4/2022			11	12		
4/5/2022	42	2.5				
4/7/2022					96	110
10/17/2022			9.5	10		
10/18/2022	46	2.7				
10/19/2022					100	110
3/7/2023			9.7			
3/10/2023					91	110
3/13/2023	46	<0.5				
3/14/2023				12		
10/18/2023					87	130
10/21/2023	44	2.7	10	12		
3/28/2024						130
3/29/2024	45	2.6	13	13	100	
10/14/2024					100	150
10/16/2024	38	2.6	12	14		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				310		320
6/14/2018				360		310
7/24/2018				370		360
9/1/2018				390		320
10/1/2018				380		360
11/2/2018				320		310
12/7/2018				330		320
2/13/2019				320		300
3/16/2019			130			
3/27/2019			140			
4/3/2019			140			
4/5/2019				310		290
4/15/2019			130			
5/2/2019			130			
5/14/2019			140			
5/28/2019			150			
6/12/2019			130			
8/30/2019			160	340		320
3/16/2020			200	350		310
7/11/2020					3.66	
7/21/2020	81.7					
7/30/2020		99.2				
11/3/2020	120					
11/4/2020		130	200			
11/5/2020				350	4.6	370
3/8/2021	69	69	210	350	3.6	
3/9/2021						350
10/12/2021			200	360	4.1	
10/15/2021		75				
10/20/2021	68 (D)					
10/21/2021						350 (D)
4/4/2022			200			
4/5/2022				380	3.3	330
4/7/2022	64	67				
10/17/2022			200	360		
10/18/2022					2.6	310
10/19/2022	65	82				
3/8/2023			190	370	2.8	320
3/10/2023	60	57				
10/18/2023	61	73				
10/19/2023			180	340	2.8	270
3/25/2024			200	360	2.7	290
3/28/2024	58	75				
10/14/2024	74	70				
10/16/2024			210	330	3	
10/17/2024						260

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		190				
4/25/2018				350		
6/14/2018		200		340		
7/24/2018		210		340		
9/1/2018		220		360		
10/1/2018		210				
10/2/2018				310		
11/2/2018		190		310		
12/6/2018		190		330		
2/13/2019		180		310		
4/4/2019				270		
4/5/2019		170				
8/30/2019		170		320		
3/16/2020		170				
3/17/2020				330		
7/13/2020	5.41					
7/14/2020			220			6.42
7/30/2020					1.34	
11/9/2020	10	160	220	330	1.7	
11/10/2020						8.1
3/9/2021	13	160	240	340	1.5	
3/10/2021						5.3
10/11/2021	11				1.3	
10/12/2021				310		
10/14/2021		150	240			6.1
4/5/2022	10		230			
4/6/2022		130		320	1.2	
4/7/2022						10
10/18/2022	13		260			
10/19/2022		140		340	3.5	6
3/8/2023	10	120	230			
3/9/2023				310	1.1	12
10/19/2023	13	97	200			
10/20/2023				290	1.1 (J)	13
3/26/2024	13	96	220	250	1.1	
3/28/2024						22
10/17/2024	13	110	210	250	0.83 (J)	22

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		93	560		320
6/13/2018					300
6/14/2018		110	490		
7/23/2018			520		320
7/24/2018		100			
9/6/2018		98	510		310
10/2/2018		93	470		290
11/1/2018			460		280
11/2/2018		110			
12/6/2018		94	490		310
2/13/2019		95	470		300
4/4/2019		98	440		270
4/5/2019	440 (D)				
4/15/2019	390				
5/2/2019	400				
5/14/2019	420				
5/29/2019	450				
6/12/2019	440				
6/19/2019	450				
6/25/2019	450				
8/30/2019	460	90	460		310
3/17/2020	420	110	470		310
7/13/2020				10.5	
11/9/2020			470		
11/10/2020		99		13	
11/20/2020	420				290
3/8/2021					300
3/9/2021	460	120	480	13	
10/12/2021		84		9.4	300
10/20/2021	400 (D)				
10/21/2021			495 (D)		
4/6/2022		110	460	7.7	300
4/7/2022	390				
10/18/2022		100	520	6.1	330
10/19/2022	400				
3/9/2023	370	110	470	6.6	
3/13/2023					300
10/20/2023	320	100	490	5.4	250
3/26/2024	340	100		5.9	
3/28/2024			520		290
10/16/2024					250
10/17/2024	320	88	440	6.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1300					
6/13/2018	1400					
7/23/2018	1200					
9/1/2018	1400					
10/2/2018	1400					
11/1/2018	1300					
12/6/2018	1300					
2/13/2019	1200					
3/16/2019			9.3	14		
3/27/2019			8.2 (D)	15 (D)		
4/3/2019			8.7 (D)	15 (D)		
4/4/2019	1200					
4/16/2019			8.7	14		
5/3/2019			9.3	15		
5/14/2019			8.8	15		
5/29/2019			8.8	14		
6/12/2019			8.8	15		
8/29/2019			8.1	14		
8/30/2019	1200					
3/17/2020	1100		8.2	14		
7/13/2020		4.73				
7/21/2020					1470	2920
11/4/2020					5400	3100
11/9/2020			9.1			
11/20/2020	1000	4.6		16		
3/8/2021	920	4.3			1600	3000
3/10/2021			8.9	15		
10/11/2021			8.9	15		
10/12/2021	860	4.2				
10/15/2021						2800
10/20/2021					3400	
4/4/2022			8.4	14		
4/5/2022	760	4.1				
4/7/2022					1400	2900
10/17/2022			7.5	13		
10/18/2022	680	4.3				
10/19/2022					1400	2900
3/7/2023			7.7			
3/10/2023					1300	2700
3/13/2023	620	5				
3/14/2023				14		
10/18/2023					1300	3200
10/21/2023	630	4	9	13		
3/28/2024						3000
3/29/2024	570	4.2	8.7	13	1400	
10/14/2024					1300	2600
10/16/2024	510	4.4	8.8	14		

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2800		11000
6/14/2018				2700		11000
7/24/2018				2800		11000
9/1/2018				2800		10000
10/1/2018				2800		11000
11/2/2018				2700		11000
12/7/2018				2700		12000
2/13/2019				2800		9800
3/16/2019			1900			
3/27/2019			1900			
4/3/2019			1900			
4/5/2019				2600		9900
4/15/2019			1900			
5/2/2019			1900			
5/14/2019			2000			
5/28/2019			1900			
6/12/2019			2000			
8/30/2019			2100	2500		9800
3/16/2020			2600	2500		10000
7/11/2020					5.74	
7/21/2020	2910					
7/30/2020		2830				
11/3/2020	4900					
11/4/2020		4700	4700			
11/5/2020				5100	5.4	9600
3/8/2021	2900	2600	2500	2500	5.1	
3/9/2021						10000
10/12/2021			2300	2400	4.6	
10/15/2021		3100				
10/20/2021	4100 (D)					
10/21/2021						9400 (D)
4/4/2022			2500			
4/5/2022				2600	4.9	9300
4/7/2022	3000	3100				
10/17/2022			2400	2500		
10/18/2022					4.4	8500
10/19/2022	2700	3000				
3/8/2023			2300	2400	4.7	8800
3/10/2023	2800	2600				
10/18/2023	2900	3200				
10/19/2023			2300	6900	5.2	8800
3/25/2024			2500	2500	4.6	9400
3/28/2024	2800	2900				
10/14/2024	2900	2800				
10/16/2024			2200	2300	5.2	
10/17/2024						8400

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		4000				
4/25/2018				8500		
6/14/2018		4000		8700		
7/24/2018		3900		8700		
9/1/2018		4200		8900		
10/1/2018		4200				
10/2/2018				9300		
11/2/2018		4000		8900		
12/6/2018		4000		9000		
2/13/2019		3800		8600		
4/4/2019				8600		
4/5/2019		3900				
8/30/2019		3600		8700		
3/16/2020		3400				
3/17/2020				8900		
7/13/2020	6.04					
7/14/2020			9830			10.5
7/30/2020					10.2	
11/9/2020	<1	3200	9300	9400	9.4	
11/10/2020						10
3/9/2021	49	3100	9100	8700	8.5	
3/10/2021						8.6
10/11/2021	17				7.5	
10/12/2021				8300		
10/14/2021		2900	8400			10
4/5/2022	15		8200			
4/6/2022		2800		8400	8.2	
4/7/2022						19
10/18/2022	23		8400			
10/19/2022		2500		8200	64	11
3/8/2023	16	2400	7800			
3/9/2023				7800	7.4	20
10/19/2023	24	2100	3100			
10/20/2023				7300	7.2	26
3/26/2024	22	2100	7500	7100	6.7	
3/28/2024						42
10/17/2024	19	2100	7300	6500	7.5	45

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		3900	3400		2800
6/13/2018					3100
6/14/2018		4100	3600		
7/23/2018			3500		3000
7/24/2018		3900			
9/6/2018		4000	3600		3000
10/2/2018		4000	3800		3100
11/1/2018			3600		3000
11/2/2018		3800			
12/6/2018		4300	3700		3100
2/13/2019		4200	3500		3000
4/4/2019		3700	3500		3100
4/5/2019	4000 (D)				
4/15/2019	3400				
5/2/2019	4100				
5/14/2019	4200				
5/29/2019	4200				
6/12/2019	4200				
6/19/2019	4000				
6/25/2019	4000				
8/30/2019	4100	4000	3400		2800
3/17/2020	6000	4600	3700		3100
7/13/2020				9.1	
11/9/2020			3600		
11/10/2020		4200		9	
11/20/2020	4300				3100
3/8/2021					3100
3/9/2021	4000	4600	3600	8.2	
10/12/2021		3800		10	3000
10/20/2021	4050 (D)				
10/21/2021			3550 (D)		
4/6/2022		4200	3400	7.3	2900
4/7/2022	3900				
10/18/2022		4000	3300	6.1	2900
10/19/2022	4000				
3/9/2023	3700	4200	3300	6.7	
3/13/2023					2900
10/20/2023	3300	3900	3400	7.2	2900
3/26/2024	3500	4100		7.9	
3/28/2024			3600		2800
10/16/2024					2800
10/17/2024	3400	3800	3500	9.6	

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			0.0022	0.0022		
8/8/2019	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			0.0044	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	<0.002				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					0.0014 (J)	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
10/14/2024					0.0012 (J)	0.0015 (J)
10/16/2024	<0.002	<0.002	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		0.0014 (J)
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			0.0032			
8/8/2019			<0.002	<0.002		<0.002
7/11/2020					0.00157 (J)	
7/21/2020	0.00152 (J)					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	<0.002
10/19/2022	0.0015 (J)	0.0018 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	0.0015 (J)	<0.002				
10/18/2023	0.0021 (J)	0.0037 (J)				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				
10/14/2024	0.0021 (J)	0.0025 (J)				
10/16/2024			0.0012 (J)	<0.002	<0.002	
10/17/2024						0.0014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0016 (J)				
4/25/2018				0.0013 (J)		
6/14/2018		0.002 (J)		0.0012 (J)		
7/24/2018		0.0022 (J)		<0.002		
9/1/2018		0.0025		0.0024 (J)		
10/1/2018		0.0028				
10/2/2018				0.0015 (J)		
11/2/2018		0.0026		0.0014 (J)		
12/6/2018		0.0012 (J)		<0.002		
2/13/2019		0.0013 (J)		<0.002		
8/9/2019		<0.002		<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					0.00378	
11/9/2020	<0.002	<0.002	<0.002	<0.002	0.0019 (J)	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						<0.002
10/18/2022	<0.002		<0.002			
10/19/2022		0.0021		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	0.0017 (J)	<0.002			
10/20/2023				0.0012 (J)	<0.002	<0.002
3/26/2024	<0.002	<0.002	0.0066	<0.002	<0.002	
3/28/2024						<0.002
10/17/2024	<0.002	0.0019 (J)	<0.002	<0.002	0.0012 (J)	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0014 (J)	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		0.0014 (J)	0.0032		
7/23/2018			<0.002		<0.002
7/24/2018		0.0014 (J)			
9/6/2018		0.0017 (J)	0.0014 (J)		<0.002
10/2/2018		0.0013 (J)	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		0.0014 (J)			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	0.0022	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	<0.002	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002
10/16/2024					<0.002
10/17/2024	<0.002	0.0014 (J)	0.0012 (J)	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	0.00012 (J)		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	8.2E-05 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			0.00022 (J)			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00033 (J)	0.00028 (J)			<0.0025	<0.0025
3/10/2021			0.00031 (J)	<0.0025		
10/11/2021			0.00044 (J)	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			0.00063 (J)	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			0.00055 (J)	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			0.00041 (J)			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	0.00079 (J)	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		0.0026
6/14/2018				<0.0025		0.0023 (J)
7/24/2018				<0.0025		0.0026
9/1/2018				<0.0025		0.0023 (J)
10/1/2018				<0.0025		0.0028
11/2/2018				<0.0025		0.0027
12/7/2018				<0.0025		0.0028
2/13/2019				<0.0025		0.0028
3/16/2019			0.00057 (J)			
3/27/2019			0.00044 (J)			
4/3/2019			0.0004 (J)			
4/15/2019			0.00042 (J)			
5/2/2019			<0.0025			
5/14/2019			0.00044 (J)			
5/28/2019			<0.0025			
6/12/2019			0.00037 (J)			
8/8/2019			0.00017 (J)	<0.0025		0.0019
8/30/2019			0.00017 (J)	<0.0025		0.0025
3/16/2020			<0.0025	<0.0025		0.0022
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	0.003
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						0.0034
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		0.00016 (J)				
10/20/2021	<0.0025					
10/21/2021						0.004
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	0.0037
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	0.003
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/25/2024			<0.0025	<0.0025	<0.0025	0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	<0.0025	<0.0025	
10/17/2024						0.0021 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0033				
4/25/2018				<0.0025		
6/14/2018		0.0032		<0.0025		
7/24/2018		0.0036		<0.0025		
9/1/2018		0.0039		<0.0025		
10/1/2018		0.0029				
10/2/2018				<0.0025		
11/2/2018		0.0034		<0.0025		
12/6/2018		0.0032		<0.0025		
2/13/2019		0.0043		<0.0025		
8/9/2019		0.0034		7.5E-05 (J)		
8/30/2019		0.0034		7.9E-05 (J)		
3/16/2020		0.0039				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			0.00381			<0.0025
7/30/2020					0.0011 (J)	
11/9/2020	0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)	
11/10/2020						<0.0025
3/9/2021	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)	
3/10/2021						0.00021 (J)
10/11/2021	<0.0025				0.0003 (J)	
10/12/2021				<0.0025		
10/14/2021		0.0032	0.0037			<0.0025
4/5/2022	<0.0025		0.0055			
4/6/2022		0.0034		<0.0025	0.00033 (J)	
4/7/2022						<0.0025
10/18/2022	<0.0025		0.0056			
10/19/2022		0.0021 (J)		<0.0025	0.00027 (J)	<0.0025
3/8/2023	<0.0025	0.003	0.0062			
3/9/2023				<0.0025	0.00034 (J)	<0.0025
10/19/2023	<0.0025	0.0026 (J)	0.0072 (J)			
10/20/2023				<0.0025	0.00037 (J)	<0.0025
3/26/2024	<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)	
3/28/2024						<0.0025
10/17/2024	<0.0025	0.0029 (J)	0.0093 (J)	<0.0025	0.00024 (J)	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		0.00043 (J)	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	0.0049 (D)				
4/15/2019	0.0045				
5/2/2019	0.0012 (J)				
5/14/2019	0.0024 (J)				
5/29/2019	0.0022 (J)				
6/12/2019	0.002 (J)				
6/19/2019	0.004 (J)				
6/25/2019	0.0014 (J)				
8/8/2019					8.4E-05 (J)
8/9/2019	0.0022	0.00025 (J)	<0.0025		
8/30/2019	0.0039	0.00023 (J)	<0.0025		8.9E-05 (J)
3/17/2020	0.0029	0.00024 (J)	<0.0025		<0.0025
7/13/2020				0.00121 (J)	
11/9/2020			<0.0025		
11/10/2020		0.00024 (J)		<0.0025	
11/20/2020	0.0024 (J)				<0.0025
3/8/2021					<0.0025
3/9/2021	0.0017 (J)	0.00025 (J)	<0.0025	<0.0025	
10/12/2021		0.00028 (J)		<0.0025	<0.0025
10/20/2021	0.0032				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	0.0028				
10/18/2022		0.00033 (J)	<0.0025	<0.0025	<0.0025
10/19/2022	0.0028				
3/9/2023	0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025	<0.0025
3/26/2024	0.0036	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	0.003 (J)	0.00025 (J)	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2.66					
6/13/2018	2.91					
7/23/2018	3.49					
9/1/2018	3.15					
10/2/2018	3.38					
11/1/2018	2.19					
12/6/2018	2.69					
2/13/2019	2.97					
3/16/2019			0.421	0.765		
3/27/2019			0.499	0.306 (U)		
4/3/2019			0.526	1.12		
4/16/2019			0.73	0.447		
5/3/2019			0.32 (U)	0.357		
5/14/2019			0.431 (U)	0.342 (U)		
5/29/2019			0.205 (U)	0.519 (U)		
6/12/2019			<5	<5		
8/8/2019	2.16		0.535	0.262 (U)		
8/29/2019			0.19 (U)	0.253 (U)		
8/30/2019	2.19					
3/17/2020	2.94		0.596	0.703		
7/13/2020		0.272 (U)				
7/21/2020					2.72	4.86
11/4/2020					1.59	3.79
11/9/2020			0.0786 (U)			
11/20/2020	3.47	-0.129 (U)		0.199 (U)		
3/8/2021	2.86	0.73			3.18	5.04
3/10/2021			0.389	0.594		
10/11/2021			0.645	0.994		
10/12/2021	3.57	0.769				
10/15/2021						3.57
10/20/2021					2.8	
4/4/2022			0.478	0.74		
4/5/2022	3.1	0.594				
4/7/2022					2.12	4.53
10/17/2022			0.184 (U)	0.971		
10/18/2022	4.61	0.815				
10/19/2022					3.37	5.71
3/7/2023			0.316 (U)			
3/10/2023					3.24	4.94
3/13/2023	2.92	0.18 (U)				
3/14/2023				0.228 (U)		
10/18/2023					3.67	6.7
10/21/2023	4.21	0.491 (U)	0.22 (U)	0.502		
3/28/2024						5.56
3/29/2024	2.5	0.463 (U)	0.446 (U)	0.274 (U)	2.98	
10/14/2024					2.22	4.83
10/16/2024	3.21	0.505 (U)	0.577 (U)	0.623		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				21.8		5.84
6/14/2018				20.9		6.37
7/24/2018				19.2		7.22
9/1/2018				17.5		5.46
10/1/2018				19.9		8.54
11/2/2018				17.4		6.02
12/7/2018				18.5		6.26
2/13/2019				19.2		6.67
3/16/2019			5.87			
3/27/2019			6.56			
4/3/2019			7.03			
4/15/2019			6.75			
5/2/2019			6.82			
5/14/2019			6.96			
5/28/2019			4.12			
6/12/2019			8.8			
8/8/2019			7.52	18.7		6.41
8/30/2019			7.98	16.5		5.45
3/16/2020			10.6	18.8		6.5
7/11/2020					0.179 (U)	
7/21/2020	3.28					
7/30/2020		2.38				
11/3/2020	1.39					
11/4/2020		1.53	8.99			
11/5/2020				15.3	0.158 (U)	5.33
3/8/2021	1.91	2.54	14.2	21.4	0.164 (U)	
3/9/2021						2.68
10/12/2021			12	20.6	-0.0129 (U)	
10/15/2021		1.83				
10/20/2021	1.49					
10/21/2021						5.6
4/4/2022			12.5			
4/5/2022				17.4	0.117 (U)	7.45
4/7/2022	1.49	1.88				
10/17/2022			14	19.1		
10/18/2022					1.7	6.3
10/19/2022	2.13	3.02				
3/8/2023			13.5	20.4	0.0718 (U)	5.77
3/10/2023	1.59	0.722 (U)				
10/18/2023	1.69	1.5				
10/19/2023			13.9	22.1	0.508	6.55
3/25/2024			14.7	19.9	0.851	6.85
3/28/2024	0.825	1.44				
10/14/2024	1.51	1.86				
10/16/2024			13.7	17.9	0.305 (U)	
10/17/2024						6.34

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		2.4				
4/25/2018				3.67		
6/14/2018		2.5		4.18		
7/24/2018		3.01		4.95		
9/1/2018		2.3		4.44		
10/1/2018		3.49				
10/2/2018				4.79		
11/2/2018		1.94		4		
12/6/2018		2.68		5.01		
2/13/2019		2.05		4.53		
8/9/2019		2.09		3.81		
8/30/2019		1.24		2.82		
3/16/2020		1.71				
3/17/2020				4.23		
7/13/2020	0.857					
7/14/2020			9.33			0.591
7/30/2020					0.29 (UD)	
11/9/2020	0.501	2	6.03	3.42	0.381 (U)	
11/10/2020						0.113 (U)
3/9/2021	0.605	2.08	8.34	4.01	0.24 (U)	
3/10/2021						0.186 (U)
10/11/2021	1.6				0.194 (U)	
10/12/2021				3.74		
10/14/2021		2.56	8.45			1.24
4/5/2022	0.853		7.09			
4/6/2022		1.71		5.09	0.644	
4/7/2022						0.752
10/18/2022	1.07		8.32			
10/19/2022		1.61		4.24	0.259 (U)	0.7
3/8/2023	0.636	1.78	9.4			
3/9/2023				2.58	-0.134 (U)	0.833
10/19/2023	0.63	1.75	8.81			
10/20/2023				3.9	0.512 (U)	0.515
3/26/2024	0.794	1.66	8.72	5.3	1.09	
3/28/2024						1.01
10/17/2024	0.94	1.32	7.75	3.79	0.64 (U)	1.31

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		5.8	3.26		6.49
6/13/2018					6.43
6/14/2018		5.94	3.41		
7/23/2018			4.02		6.82
7/24/2018		6.56			
9/6/2018		7.39	3.86		7.4
10/2/2018		8.19	4.63		7.43
11/1/2018			3.37		6.67
11/2/2018		5.87			
12/6/2018		6.64	3.92		6.92
2/13/2019		6.19	3.66		6.91
4/5/2019	2.85				
4/15/2019	3.24				
5/2/2019	3				
5/14/2019	3.2				
5/29/2019	2.88				
6/12/2019	3.04				
6/19/2019	3.59				
6/25/2019	3.61				
8/8/2019					6.71
8/9/2019	3.14	6.86	3.52		
8/30/2019	2.52	6.63	3.96		7.32
3/17/2020	3.16	5.37	3.43		7.36
7/13/2020				0.898	
11/9/2020			2.55		
11/10/2020		6.91		0.293 (U)	
11/20/2020	3.32				8.11
3/8/2021					9.26
3/9/2021	0.234 (U)	2.66	3.52	-0.149 (U)	
10/12/2021		7.77		1.07	8.92
10/20/2021	2.8				
10/21/2021			4.05		
4/6/2022		6.15	4.27	0.565	6.93
4/7/2022	3.12				
10/18/2022		9.51	5.83	1.12	9.03
10/19/2022	3.45				
3/9/2023	2.37	4.77	5.27	0.353 (U)	
3/13/2023					7.57
10/20/2023	2.85	7.61	5.63	0.891	8.1
3/26/2024	3.49	7.47		0.801	
3/28/2024			5.47		9.04
10/16/2024					8.2
10/17/2024	2.8	8.96	9.23	1.15	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.69					
6/13/2018	0.64					
7/23/2018	0.76					
9/1/2018	0.81					
10/2/2018	0.78					
11/1/2018	0.88					
12/6/2018	0.75					
2/13/2019	0.72					
3/16/2019			0.047 (J)	0.041 (J)		
3/27/2019			<0.2 (D)	0.49 (D)		
4/3/2019			<0.2 (D)	0.086 (JD)		
4/4/2019	0.63					
4/16/2019			0.034 (J)	0.055 (J)		
5/3/2019			0.042 (J)	0.058 (J)		
5/14/2019			0.039 (J)	0.071 (J)		
5/29/2019			<0.2	0.042 (J)		
6/12/2019			<0.2	0.037 (J)		
8/8/2019	0.58		0.051 (J)	0.072 (J)		
8/29/2019			0.061 (J)	0.065 (J)		
8/30/2019	0.5					
3/17/2020	0.38		<0.2	0.036 (J)		
7/13/2020		0.24				
7/21/2020					0.09 (J)	0.07 (J)
11/4/2020					0.24 (J)	<0.2
11/9/2020			<0.2			
11/20/2020	0.81	0.13 (J)		<0.2		
3/8/2021	0.66	0.23			0.17 (J)	<0.2
3/10/2021			0.056 (J)	0.052 (J)		
10/11/2021			0.041 (J)	0.079 (J)		
10/12/2021	0.66	0.22				
10/15/2021						0.19 (J)
10/20/2021					0.14 (J)	
4/4/2022			0.062 (J)	0.051 (J)		
4/5/2022	0.82	0.19 (J)				
4/7/2022					0.39 (J)	<0.2
10/17/2022			<0.2	<0.2		
10/18/2022	0.68	0.18 (J)				
10/19/2022					0.034 (J)	<0.2
3/7/2023			0.051 (J)			
3/10/2023					0.064 (J)	0.094 (J)
3/13/2023	0.87	0.19 (J)				
3/14/2023				0.045 (J)		
10/18/2023					0.11 (J)	0.076 (J)
10/21/2023	0.58	0.16 (J)	0.048 (J)	0.048 (J)		
3/28/2024						<0.2
3/29/2024	0.75	0.22	0.049 (J)	0.07 (J)	0.16 (J)	
10/14/2024					0.15 (J)	0.24 (J)
10/16/2024	0.66	0.21	0.066 (J)	0.071 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.06 (J)		0.33
6/14/2018				0.06 (J)		0.37
7/24/2018				0.07 (J)		0.42
9/1/2018				0.08 (J)		0.45
10/1/2018				0.07 (J)		0.39
11/2/2018				0.08 (J)		0.42
12/7/2018				4.3 (o)		0.64
2/13/2019				0.05 (J)		0.35
3/16/2019			<0.2			
3/27/2019			<0.2			
4/3/2019			<0.2			
4/5/2019				0.14 (J)		0.7 (J)
4/15/2019			0.14 (J)			
5/2/2019			0.13 (J)			
5/14/2019			<0.2			
5/28/2019			0.16 (J)			
6/12/2019			<0.2			
8/8/2019			0.21 (J)	0.19 (J)		0.8 (J)
8/30/2019			0.21 (J)	0.17 (J)		<0.2
3/16/2020			<0.2	<0.2		<0.2
7/11/2020					0.24	
7/21/2020	0.17					
7/30/2020		0.19				
11/3/2020	<0.2					
11/4/2020		<0.2	<0.2			
11/5/2020				<0.2	0.15 (J)	<0.2
3/8/2021	0.41 (J)	0.28 (J)	<0.2	<0.2	0.2	
3/9/2021						0.87 (J)
10/12/2021			0.27 (J)	0.22 (J)	0.18 (J)	
10/15/2021		0.44 (J)				
10/20/2021	0.25 (J)					
10/21/2021						<0.2
4/4/2022			0.13 (J)			
4/5/2022				<0.2	0.21	<0.2
4/7/2022	0.25 (J)	0.54 (J)				
10/17/2022			<0.2	<0.2		
10/18/2022					0.14 (J)	0.32 (J)
10/19/2022	0.13 (J)	0.094 (J)				
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)
3/10/2023	0.19 (J)	0.18 (J)				
10/18/2023	0.12 (J)	0.15 (J)				
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)
3/28/2024	0.29 (J)	0.36 (J)				
10/14/2024	0.28 (J)	0.34 (J)				
10/16/2024			0.15 (J)	0.13 (J)	0.16 (J)	
10/17/2024						0.38 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.52				
4/25/2018				0.09 (J)		
6/14/2018		0.51		0.09 (J)		
7/24/2018		0.52		0.09 (J)		
9/1/2018		0.54		0.1		
10/1/2018		0.54				
10/2/2018				0.09 (J)		
11/2/2018		0.58		0.11		
12/6/2018		0.51		1.4 (o)		
2/13/2019		0.48		0.07 (J)		
4/4/2019				<0.2		
4/5/2019		0.31 (J)				
8/9/2019		0.51		<0.2		
8/30/2019		0.54 (J)		<0.2		
3/16/2020		<0.2				
3/17/2020				<0.2		
7/13/2020	0.17					
7/14/2020			0.14			0.22
7/30/2020					0.17	
11/9/2020	0.18 (J)	<0.2	<0.2	<0.2	0.17 (J)	
11/10/2020						0.21
3/9/2021	0.18 (J)	0.55 (J)	<0.2	<0.2	0.17 (J)	
3/10/2021						0.18 (J)
10/11/2021	0.14 (J)				0.18 (J)	
10/12/2021				<0.2		
10/14/2021		0.5 (J)	<0.2			0.19 (J)
4/5/2022	0.13 (J)		<0.2			
4/6/2022		0.36 (J)		<0.2	0.27	
4/7/2022						0.2
10/18/2022	0.12 (J)		0.15 (J)			
10/19/2022		0.29		0.065 (J)	0.12 (J)	0.15 (J)
3/8/2023	0.14 (J)	0.25	0.074 (J)			
3/9/2023				0.12 (J)	0.077 (J)	0.08 (J)
10/19/2023	0.13 (J)	0.41	0.082 (J)			
10/20/2023				<0.2	0.13 (J)	0.15 (J)
3/26/2024	0.18 (J)	0.44 (J)	0.29 (J)	0.28 (J)	0.15 (J)	
3/28/2024						0.2
10/17/2024	0.15 (J)	0.37 (J)	0.3 (J)	0.27 (J)	0.15 (J)	0.17 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.11	1		0.06 (J)
6/13/2018					0.06 (J)
6/14/2018		0.12	1		
7/23/2018			1		0.06 (J)
7/24/2018		0.12			
9/6/2018		0.13	1.1		0.06 (J)
10/2/2018		0.13	1		0.07 (J)
11/1/2018			1.1		0.07 (J)
11/2/2018		0.14			
12/6/2018		0.13	0.98		0.21 (o)
2/13/2019		0.1	0.98		0.07 (J)
4/4/2019		<0.2	0.58 (J)		<0.2
4/5/2019	<0.2 (D)				
4/15/2019	<0.2				
5/2/2019	<0.2				
5/14/2019	<0.2				
5/29/2019	<0.2				
6/12/2019	<0.2				
6/19/2019	<0.2				
6/25/2019	0.32 (J)				
8/8/2019					0.2 (J)
8/9/2019	<0.2	0.22 (J)	0.9 (J)		
8/30/2019	0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2	1.6	0.52 (J)		<0.2
7/13/2020				0.15	
11/9/2020			0.74 (J)		
11/10/2020		<0.2		0.22	
11/20/2020	<0.2				<0.2
3/8/2021					<0.2
3/9/2021	<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
10/12/2021		<0.2		0.15 (J)	<0.2
10/20/2021	0.29 (J)				
10/21/2021			1 (J)		
4/6/2022		1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022	6.4				
10/18/2022		0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.22				
3/9/2023	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023					0.081 (J)
10/20/2023	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
3/26/2024	<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.97 (J)		0.13 (J)
10/16/2024					0.14 (J)
10/17/2024	0.14 (J)	0.17 (J)	0.82 (J)	0.096 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	0.0011 (J)					
12/6/2018	0.0006 (J)					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	<0.001		<0.001	<0.001		
8/29/2019			<0.001	0.00017 (J)		
8/30/2019	<0.001					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		0.00116 (J)				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	0.00089 (J)		<0.001		
3/8/2021	0.00016 (J)	0.00086 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	0.00063 (J)				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			0.00063 (J)	<0.001		
4/5/2022	0.00019 (J)	0.00058 (J)				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	0.00045 (J)				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	0.0003 (J)	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
10/14/2024					<0.001	<0.001
10/16/2024	<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 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		<0.001
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		0.00048 (J)
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	<0.001		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					0.000555 (J)	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	<0.001			
11/5/2020				<0.001	0.00024 (J)	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	0.00016 (J)	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	0.0002 (J)	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				0.00022 (J)	0.00045 (J)	0.00043 (J)
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				
10/14/2024	<0.001	<0.001				
10/16/2024			<0.001	<0.001	<0.001	
10/17/2024						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		0.00062 (J)		0.0011 (J)		
12/6/2018		<0.001		0.00041 (J)		
2/13/2019		<0.001		0.00036 (J)		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					0.00203	
11/9/2020	<0.001	<0.001	<0.001	<0.001	0.00099 (J)	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	0.00026 (J)	
3/10/2021						<0.001
10/11/2021	<0.001				0.00019 (J)	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		0.00029 (J)			
4/6/2022		<0.001		<0.001	0.00026 (J)	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	0.00018 (J)	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	0.0003 (J)	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001
10/17/2024	<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 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			0.0016		<0.001
11/2/2018		0.0019			
12/6/2018		<0.001	0.0013		0.00039 (J)
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001		
8/30/2019	0.00032 (J)	<0.001	<0.001		<0.001
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	0.00075 (J)	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001
10/16/2024					<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.021					
6/13/2018	0.013					
7/23/2018	0.015					
9/1/2018	0.015					
10/2/2018	0.017					
11/1/2018	0.038					
12/6/2018	0.011					
2/13/2019	0.012					
3/16/2019			0.0088	0.012		
3/27/2019			0.01 (D)	0.012 (D)		
4/3/2019			0.0068 (D)	0.013 (D)		
4/16/2019			0.0081	0.012		
5/3/2019			0.01	0.015		
5/14/2019			0.011	0.015		
5/29/2019			0.0062	0.015		
6/12/2019			0.0099	0.013		
8/8/2019	0.018		0.012	0.016		
8/29/2019			0.0067	0.011		
8/30/2019	0.01					
3/17/2020	0.017		0.014	0.017		
7/13/2020		0.0136				
7/21/2020					0.00196 (J)	<0.025
11/4/2020					0.016	<0.025
11/9/2020			0.011			
11/20/2020	0.013	0.011		0.015		
3/8/2021	0.01	0.022			0.0042 (J)	<0.025
3/10/2021			0.012	0.017		
10/11/2021			0.0089	0.015		
10/12/2021	0.0056	0.019				
10/15/2021						<0.025
10/20/2021					0.0038 (J)	
4/4/2022			0.011	0.018		
4/5/2022	0.012	0.012				
4/7/2022					0.0045 (J)	0.0044 (J)
10/17/2022			0.01	0.017		
10/18/2022	0.01	0.012				
10/19/2022					0.0029 (J)	0.0015 (J)
3/7/2023			0.011			
3/10/2023					0.005	0.0069
3/13/2023	0.01	<0.005				
3/14/2023				0.019		
10/18/2023					0.0021 (J)	<0.025
10/21/2023	0.013 (J)	0.012 (J)	0.01 (J)	0.017 (J)		
3/28/2024						0.0022 (J)
3/29/2024	0.0083	0.012	0.01	0.015	0.0037 (J)	
10/14/2024					0.012 (J)	0.012 (J)
10/16/2024	0.008 (J)	0.012 (J)	0.021 (J)	0.027		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.029		0.11
6/14/2018				0.023		0.073
7/24/2018				0.023		0.079
9/1/2018				0.022		0.088
10/1/2018				0.026		0.091
11/2/2018				0.024 (J)		0.081
12/7/2018				0.022		0.072
2/13/2019				0.02		0.071
3/16/2019			0.013			
3/27/2019			0.014			
4/3/2019			0.01			
4/15/2019			0.012			
5/2/2019			0.013			
5/14/2019			0.011			
5/28/2019			<0.05			
6/12/2019			0.012			
8/8/2019			0.012	0.031		0.076
8/30/2019			0.011	0.022		0.072
3/16/2020			0.013	0.03		0.07
7/11/2020					0.0103	
7/21/2020	0.00623					
7/30/2020		0.00523				
11/3/2020	0.03					
11/4/2020		0.029	0.014			
11/5/2020				0.031	0.01	0.07
3/8/2021	0.008	0.0086	0.013	0.03	0.0091	
3/9/2021						0.075
10/12/2021			0.014	0.028	0.0079	
10/15/2021		0.009				
10/20/2021	0.0091 (D)					
10/21/2021						0.0665 (D)
4/4/2022			0.023 (J)			
4/5/2022				0.037	0.01	0.081
4/7/2022	0.0084	0.0097				
10/17/2022			0.016	0.032		
10/18/2022					0.011	0.056
10/19/2022	0.0077	0.0082				
3/8/2023			0.019	0.036	0.011	0.077
3/10/2023	0.014	0.0093				
10/18/2023	0.0082 (J)	0.0081 (J)				
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072
3/25/2024			0.017	0.037	0.0096	0.076
3/28/2024	0.0091	0.0077				
10/14/2024	0.019 (J)	0.016 (J)				
10/16/2024			0.029	0.039	0.009 (J)	
10/17/2024						0.067

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.079				
4/25/2018				0.069		
6/14/2018		0.055		0.046		
7/24/2018		0.057		0.049		
9/1/2018		0.054		0.045		
10/1/2018		0.063				
10/2/2018				0.052		
11/2/2018		0.077		0.074		
12/6/2018		0.054		0.044		
2/13/2019		0.053		0.045		
8/9/2019		0.061		0.049		
8/30/2019		0.052		0.044		
3/16/2020		0.053				
3/17/2020				0.044		
7/13/2020	0.00778					
7/14/2020			0.0522			0.00696
7/30/2020					0.00791	
11/9/2020	0.006	0.049	0.043	0.044	0.0076	
11/10/2020						0.0063
3/9/2021	0.0098	0.051	0.044	0.048	0.0099	
3/10/2021						0.0059
10/11/2021	0.02				0.0075	
10/12/2021				0.039		
10/14/2021		0.052	0.11			0.0061
4/5/2022	0.014		0.073			
4/6/2022		0.046		0.046	0.0088	
4/7/2022						0.011
10/18/2022	0.016		0.068			
10/19/2022		0.049		0.035	0.0077	0.0069
3/8/2023	0.012	0.041	0.072			
3/9/2023				0.04	0.0085	0.01
10/19/2023	0.012 (J)	0.039	0.074			
10/20/2023				0.039	0.0064 (J)	0.0079 (J)
3/26/2024	0.014	0.042	0.072	0.036	0.0076	
3/28/2024						0.012
10/17/2024	0.021 (J)	0.056	0.065	0.048	0.0062 (J)	0.022 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.004 (J)	0.13		0.0039 (J)
6/13/2018					0.0027 (J)
6/14/2018		0.0026 (J)	0.085		
7/23/2018			0.09		0.0041 (J)
7/24/2018		0.003 (J)			
9/6/2018		0.0029 (J)	0.099		0.0035 (J)
10/2/2018		0.0021 (J)	0.095		0.004 (J)
11/1/2018			0.16		0.018 (o)
11/2/2018		0.014 (o)			
12/6/2018		<0.005	0.082		<0.005
2/13/2019		0.0018 (J)	0.08		0.0026 (J)
4/5/2019	0.051 (D)				
4/15/2019	0.054				
5/2/2019	0.055				
5/14/2019	0.047				
5/29/2019	0.055				
6/12/2019	0.062				
6/19/2019	0.059				
6/25/2019	0.052				
8/8/2019					0.0053
8/9/2019	0.063	<0.005	0.086		
8/30/2019	0.059	<0.005	0.068		<0.005
3/17/2020	0.056	0.0071	0.08		0.0077
7/13/2020				<0.005	
11/9/2020			0.08		
11/10/2020		0.0048 (J)		0.0044 (J)	
11/20/2020	0.055				0.0035 (J)
3/8/2021					0.0045 (J)
3/9/2021	0.057	0.004 (J)	0.073	0.005	
10/12/2021		0.0036 (J)		<0.005	<0.005
10/20/2021	0.0535 (D)				
10/21/2021			0.0735 (D)		
4/6/2022		0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022	0.057				
10/18/2022		0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.05				
3/9/2023	0.054	0.0071	0.067	0.0071	
3/13/2023					0.0053
10/20/2023	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
3/26/2024	0.058	0.0058		0.0049 (J)	
3/28/2024			0.076		0.0031 (J)
10/16/2024					0.0023 (J)
10/17/2024	0.054	0.004 (J)	0.065	0.013 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0002					
6/13/2018	<0.0002					
7/23/2018	<0.0002					
9/1/2018	8.5E-05 (J)					
10/2/2018	<0.0002					
11/1/2018	<0.0002					
12/6/2018	<0.0002					
2/13/2019	<0.0002					
3/16/2019			<0.0002	9.7E-05 (J)		
3/27/2019			<0.0002 (D)	<0.0002 (D)		
4/3/2019			<0.0002 (D)	<0.0002 (D)		
4/16/2019			<0.0002	<0.0002		
5/3/2019			<0.0002	<0.0002		
5/14/2019			7.1E-05 (J)	<0.0002		
5/29/2019			<0.0002	<0.0002		
6/12/2019			<0.0002	<0.0002		
8/8/2019	<0.0002		<0.0002	<0.0002		
7/13/2020		<0.0002				
7/21/2020					<0.0002	<0.0002
11/4/2020					<0.0002	<0.0002
11/9/2020			<0.0002			
11/20/2020	<0.0002	<0.0002		<0.0002		
3/8/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/10/2021			<0.0002	<0.0002		
10/11/2021			<0.0002	<0.0002		
10/12/2021	<0.0002	<0.0002				
10/15/2021						<0.0002
10/20/2021					<0.0002	
4/4/2022			<0.0002	<0.0002		
4/5/2022	<0.0002	<0.0002				
4/7/2022					<0.0002	<0.0002
10/17/2022			<0.0002	<0.0002		
10/18/2022	<0.0002	<0.0002				
10/19/2022					<0.0002	<0.0002
3/7/2023			<0.0002			
3/10/2023					<0.0002	<0.0002
3/13/2023	<0.0002	<0.0002				
3/14/2023				<0.0002		
10/18/2023					<0.0002	<0.0002
10/21/2023	<0.0002	<0.0002	<0.0002	<0.0002		
3/28/2024						<0.0002
3/29/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/14/2024					<0.0002	<0.0002
10/16/2024	<0.0002	<0.0002	<0.0002	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0002		<0.0002
6/14/2018				<0.0002		<0.0002
7/24/2018				<0.0002		<0.0002
9/1/2018				<0.0002		<0.0002
10/1/2018				<0.0002		<0.0002
11/2/2018				<0.0002		<0.0002
12/7/2018				<0.0002		<0.0002
2/13/2019				<0.0002		<0.0002
3/16/2019			<0.0002			
3/27/2019			<0.0002			
4/3/2019			<0.0002			
4/15/2019			0.00015 (J)			
5/2/2019			<0.0002			
5/14/2019			<0.0002			
5/28/2019			<0.0002			
6/12/2019			<0.0002			
8/8/2019			<0.0002	<0.0002		<0.0002
7/11/2020					<0.0002	
7/21/2020	<0.0002					
7/30/2020		<0.0002				
11/3/2020	<0.0002					
11/4/2020		<0.0002	<0.0002			
11/5/2020				<0.0002	<0.0002	<0.0002
3/8/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/9/2021						<0.0002
10/12/2021			<0.0002	<0.0002	<0.0002	
10/15/2021		<0.0002				
10/20/2021	<0.0002					
10/21/2021						<0.0002
4/4/2022			<0.0002			
4/5/2022				<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002	<0.0002				
10/17/2022			<0.0002	<0.0002		
10/18/2022					<0.0002	<0.0002
10/19/2022	<0.0002	<0.0002				
3/8/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/10/2023	<0.0002	<0.0002				
10/18/2023	<0.0002	<0.0002				
10/19/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/25/2024			<0.0002	<0.0002	<0.0002	<0.0002
3/28/2024	<0.0002	<0.0002				
10/14/2024	<0.0002	<0.0002				
10/16/2024			<0.0002	<0.0002	<0.0002	
10/17/2024						<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0002				
4/25/2018				<0.0002		
6/14/2018		<0.0002		<0.0002		
7/24/2018		<0.0002		<0.0002		
9/1/2018		<0.0002		9.3E-05 (J)		
10/1/2018		<0.0002				
10/2/2018				<0.0002		
11/2/2018		<0.0002		<0.0002		
12/6/2018		<0.0002		<0.0002		
2/13/2019		<0.0002		<0.0002		
8/9/2019		<0.0002		<0.0002		
7/13/2020	<0.0002					
7/14/2020			<0.0002			<0.0002
7/30/2020					<0.0002	
11/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2020						<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/10/2021						<0.0002
10/11/2021	<0.0002				<0.0002	
10/12/2021				<0.0002		
10/14/2021		<0.0002	<0.0002			<0.0002
4/5/2022	<0.0002		<0.0002			
4/6/2022		<0.0002		<0.0002	<0.0002	
4/7/2022						<0.0002
10/18/2022	<0.0002		<0.0002			
10/19/2022		<0.0002		<0.0002	<0.0002	<0.0002
3/8/2023	<0.0002	<0.0002	<0.0002			
3/9/2023				<0.0002	<0.0002	<0.0002
10/19/2023	<0.0002	<0.0002	<0.0002			
10/20/2023				<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2024						<0.0002
10/17/2024	<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 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0002	<0.0002		<0.0002
6/13/2018					<0.0002
6/14/2018		<0.0002	<0.0002		
7/23/2018			<0.0002		<0.0002
7/24/2018		<0.0002			
9/6/2018		9E-05 (J)	7.7E-05 (J)		0.00035
10/2/2018		<0.0002	<0.0002		<0.0002
11/1/2018			<0.0002		<0.0002
11/2/2018		<0.0002			
12/6/2018		<0.0002	<0.0002		<0.0002
2/13/2019		<0.0002	<0.0002		<0.0002
4/5/2019	<0.0002 (D)				
4/15/2019	<0.0002				
5/2/2019	<0.0002				
5/14/2019	<0.0002				
5/29/2019	<0.0002				
6/12/2019	<0.0002				
6/19/2019	<0.0002				
6/25/2019	<0.0002				
8/8/2019					<0.0002
8/9/2019	<0.0002	<0.0002	<0.0002		
7/13/2020				<0.0002	
11/9/2020			<0.0002		
11/10/2020		<0.0002		<0.0002	
11/20/2020	<0.0002				<0.0002
3/8/2021					<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	
10/12/2021		<0.0002		<0.0002	<0.0002
10/20/2021	<0.0002				
10/21/2021			<0.0002		
4/6/2022		<0.0002	<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002				
10/18/2022		<0.0002	<0.0002	<0.0002	<0.0002
10/19/2022	<0.0002				
3/9/2023	<0.0002	<0.0002	<0.0002	<0.0002	
3/13/2023					<0.0002
10/20/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002		<0.0002	
3/28/2024			<0.0002		<0.0002
10/16/2024					<0.0002
10/17/2024	<0.0002	<0.0002	<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.11					
6/13/2018	0.09					
7/23/2018	0.11					
9/1/2018	0.11					
10/2/2018	0.1					
11/1/2018	0.11					
12/6/2018	0.1					
2/13/2019	0.085					
3/16/2019			<0.015	<0.015		
3/27/2019			<0.015 (D)	<0.015 (D)		
4/3/2019			<0.015 (D)	<0.015 (D)		
4/16/2019			<0.015	<0.015		
5/3/2019			<0.015	<0.015		
5/14/2019			<0.015	<0.015		
5/29/2019			<0.015	<0.015		
6/12/2019			<0.015	<0.015		
8/8/2019	0.11		<0.015	<0.015		
8/29/2019			<0.015	<0.015		
8/30/2019	0.078					
3/17/2020	0.081		<0.015	<0.015		
7/13/2020		0.00884 (J)				
7/21/2020					<0.015	<0.015
11/4/2020					<0.015	<0.015
11/9/2020			<0.015			
11/20/2020	0.059	0.017		<0.015		
3/8/2021	0.055	0.0096 (J)			<0.015	<0.015
3/10/2021			<0.015	<0.015		
10/11/2021			<0.015	<0.015		
10/12/2021	0.033	0.0099 (J)				
10/15/2021						<0.015
10/20/2021					<0.015	
4/4/2022			<0.015	<0.015		
4/5/2022	0.043	0.0058 (J)				
4/7/2022					<0.015	<0.015
10/17/2022			<0.015	<0.015		
10/18/2022	0.03	0.0033 (J)				
10/19/2022					<0.015	<0.015
3/7/2023			<0.015			
3/10/2023					<0.015	<0.015
3/13/2023	0.033	<0.015				
3/14/2023				<0.015		
10/18/2023					<0.015	<0.015
10/21/2023	0.037 (J)	0.0031 (J)	<0.015	<0.015		
3/28/2024						<0.015
3/29/2024	0.027	0.0027 (J)	<0.015	<0.015	<0.015	
10/14/2024					<0.015	<0.015
10/16/2024	0.023 (J)	0.0027 (J)	<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.015		0.073
6/14/2018				<0.015		0.068
7/24/2018				<0.015		0.065
9/1/2018				<0.015		0.05
10/1/2018				<0.015		0.061
11/2/2018				<0.015		0.062
12/7/2018				<0.015		0.062
2/13/2019				<0.015		0.061
3/16/2019			<0.015			
3/27/2019			<0.015			
4/3/2019			<0.015			
4/15/2019			<0.015			
5/2/2019			<0.015			
5/14/2019			<0.015			
5/28/2019			<0.015			
6/12/2019			<0.015			
8/8/2019			<0.015	0.00079 (J)		0.073
8/30/2019			<0.015	<0.015		0.065
3/16/2020			<0.015	<0.015		0.072
7/11/2020					0.00558 (J)	
7/21/2020	<0.015					
7/30/2020		<0.015				
11/3/2020	0.00082 (J)					
11/4/2020		0.0009 (J)	<0.015			
11/5/2020				<0.015	0.0038 (J)	0.067
3/8/2021	<0.015	<0.015	<0.015	<0.015	0.0018 (J)	
3/9/2021						0.076
10/12/2021			<0.015	<0.015	0.0011 (J)	
10/15/2021		<0.015				
10/20/2021	<0.015 (D)					
10/21/2021						0.0705 (D)
4/4/2022			<0.015			
4/5/2022				<0.015	0.0011 (J)	0.071
4/7/2022	<0.015	<0.015				
10/17/2022			<0.015	<0.015		
10/18/2022					0.0016 (J)	0.05
10/19/2022	<0.015	<0.015				
3/8/2023			<0.015	<0.015	0.0011 (J)	0.064
3/10/2023	<0.015	<0.015				
10/18/2023	<0.015	<0.015				
10/19/2023			<0.015	<0.015	0.0013 (J)	0.076
3/25/2024			<0.015	<0.015	0.00099 (J)	0.055
3/28/2024	<0.015	<0.015				
10/14/2024	<0.015	<0.015				
10/16/2024			<0.015	<0.015	0.0012 (J)	
10/17/2024						0.049 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.011 (J)				
4/25/2018				0.056		
6/14/2018		0.0083 (J)		0.048		
7/24/2018		0.0075 (J)		0.078		
9/1/2018		0.0082 (J)		0.081		
10/1/2018		0.0088 (J)				
10/2/2018				0.07		
11/2/2018		0.0083 (J)		0.1		
12/6/2018		0.0093 (J)		0.069		
2/13/2019		0.0093 (J)		0.1		
8/9/2019		0.012		0.15		
8/30/2019		0.011		0.088		
3/16/2020		0.01				
3/17/2020				0.079		
7/13/2020	<0.015					
7/14/2020			0.257			<0.015
7/30/2020					<0.015	
11/9/2020	0.0022 (J)	0.0084 (J)	0.35	0.11	0.0012 (J)	
11/10/2020						0.00081 (J)
3/9/2021	0.0012 (J)	0.0059 (J)	0.37	0.072	0.00091 (J)	
3/10/2021						0.0011 (J)
10/11/2021	<0.015				0.0008 (J)	
10/12/2021				0.074		
10/14/2021		0.0042 (J)	0.23			0.0012 (J)
4/5/2022	0.0007 (J)		0.25			
4/6/2022		0.005 (J)		0.074	0.00078 (J)	
4/7/2022						0.00098 (J)
10/18/2022	0.00072 (J)		0.18			
10/19/2022		0.0043 (J)		0.039	0.0014 (J)	0.0019 (J)
3/8/2023	0.00074 (J)	0.0042 (J)	0.2			
3/9/2023				0.15	0.00085 (J)	0.0017 (J)
10/19/2023	0.00096 (J)	0.0047 (J)	0.18			
10/20/2023				0.18	0.0012 (J)	0.0023 (J)
3/26/2024	0.00078 (J)	0.0029 (J)	0.16	0.17	0.0011 (J)	
3/28/2024						0.0023 (J)
10/17/2024	<0.015	0.0031 (J)	0.16	0.23	0.0012 (J)	0.0029 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00096 (J)	0.18		<0.015
6/13/2018					<0.015
6/14/2018		0.0062 (J)	0.17		
7/23/2018			0.17		<0.015
7/24/2018		0.0063 (J)			
9/6/2018		<0.015	0.15		<0.015
10/2/2018		<0.015	0.15		0.0009 (J)
11/1/2018			0.16		<0.015
11/2/2018		0.0066 (J)			
12/6/2018		0.0062 (J)	0.14		<0.015
2/13/2019		0.0047 (J)	0.13		<0.015
4/5/2019	0.41 (D)				
4/15/2019	0.4				
5/2/2019	0.3				
5/14/2019	0.36				
5/29/2019	0.4				
6/12/2019	0.34				
6/19/2019	0.41				
6/25/2019	0.37				
8/8/2019					<0.015
8/9/2019	0.48	<0.015	0.12		
8/30/2019	0.42	<0.015	0.11		0.00093 (J)
3/17/2020	0.47	<0.015	0.094		<0.015
7/13/2020				<0.015	
11/9/2020			0.072		
11/10/2020		<0.015		0.00067 (J)	
11/20/2020	0.42				<0.015
3/8/2021					<0.015
3/9/2021	0.48	<0.015	0.069	<0.015	
10/12/2021		<0.015		<0.015	<0.015
10/20/2021	0.45 (D)				
10/21/2021			0.056 (D)		
4/6/2022		<0.015	0.053	0.0011 (J)	<0.015
4/7/2022	0.5				
10/18/2022		<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.44				
3/9/2023	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023					<0.015
10/20/2023	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
3/26/2024	0.7	<0.015		0.00086 (J)	
3/28/2024			0.14		<0.015
10/16/2024					0.0011 (J)
10/17/2024	1.2	<0.015	0.21	0.0012 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	6.7					
6/13/2018	6.64					
7/23/2018	6.76					
9/1/2018	6.9					
10/2/2018	6.77					
11/1/2018	6.89					
12/6/2018	6.89					
2/13/2019	6.81					
3/16/2019			6.97	6.44		
3/27/2019			6.7	6.38		
4/3/2019			6.45	6.19		
4/4/2019	6.74					
4/16/2019			6.52	6.3		
5/3/2019			6.37	6.33		
5/14/2019			6.57	6.64		
5/29/2019			6.31	6.6		
6/12/2019			6.41	6.31		
8/8/2019	6.84		6.29	6.12		
8/29/2019			6.2	6.24		
8/30/2019	7.09					
3/17/2020	6.93		6.2	6.2		
7/13/2020		8.94				
7/21/2020					6.01	6.08
11/4/2020					6.01	6.03
11/9/2020			6.21			
11/20/2020	6.94	8.86		6.31		
3/8/2021	7.61	9.38			5.97	5.99
3/10/2021			6.29			
10/11/2021			6.13	6.08		
10/12/2021	6.75	8.92				
10/15/2021						5.97
10/20/2021					5.89	
4/4/2022			5.97	6		
4/5/2022	7.17	9.04				
4/7/2022					6.07	6.07
10/17/2022			6.19	6.12		
10/18/2022	6.98	8.95				
10/19/2022					6.08	6.07
3/7/2023			6.17			
3/10/2023					6	6
3/13/2023	6.97	8.95				
3/14/2023				6.11		
10/18/2023					6.07	6.16
10/21/2023	7.06	8.89	6.26	6.22		
3/28/2024						6.06
3/29/2024	6.83	8.91	6.11	6.11	6.01	
10/14/2024					6.25	6.05
10/16/2024	6.98	8.86	6.98	6.29		

Time Series

Constituent: pH (SU) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				5.89		6.46
6/14/2018				5.96		6.5
7/24/2018				6.03		6.6
9/1/2018				6.23		6.74
10/1/2018				5.94		6.51
11/2/2018				5.98		6.55
12/7/2018				5.98		6.55
2/13/2019				6.09		6.69
3/16/2019			6.67			
3/27/2019			6.59			
4/3/2019			6.56			
4/5/2019				6.03		6.7
4/15/2019			6.68			
5/2/2019			6.78			
5/14/2019			6.7			
5/28/2019			6.56			
6/12/2019			6.69			
8/8/2019			6.68	6.03		6.7
8/30/2019			6.72	6.1		6.75
3/16/2020			6.51	5.91		6.61
7/11/2020					7.84	
7/21/2020	6.51					
7/30/2020		6.48				
11/3/2020	6.51					
11/4/2020		6.58	6.45			
11/5/2020				5.92	7.79	6.58
3/8/2021	6.41	6.48	6.4	5.97		
3/9/2021						6.48
10/12/2021			6.43	5.89	7.57	
10/15/2021		6.55				
10/20/2021	6.54					
10/21/2021						6.54
4/4/2022			6.34			
4/5/2022				5.46	7.2	6.45
4/7/2022	6.53	6.55				
10/17/2022			6.27	5.87		
10/18/2022					7.56	6.61
10/19/2022	6.58	6.64				
3/8/2023			6.23	5.88	7.13	6.53
3/10/2023	6.48	6.5				
10/18/2023	6.48	6.51				
10/19/2023			6.23	5.93	7.57	6.72
3/25/2024			6.34	5.86	7.48	6.55
3/28/2024	6.37	6.41				
10/14/2024	6.02	6.54				
10/16/2024			6.17	5.84	7.64	
10/17/2024						6.59

Time Series

Constituent: pH (SU) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		6.31				
4/25/2018				6.04		
6/14/2018		6.28		6.29		
7/24/2018		6.34		6.35		
9/1/2018		6.33		6.38		
10/1/2018		6.36				
10/2/2018				6.47		
11/2/2018		6.43		6.42		
12/6/2018		6.43		6.42		
2/13/2019		6.48		6.42		
4/4/2019				6.35		
4/5/2019		6.33				
8/9/2019		6.69		6.42		
8/30/2019		6.68		6.47		
3/16/2020		6.71				
3/17/2020				6.32		
7/13/2020	6.88					
7/14/2020			6.89			7.07
7/30/2020					6.67	
11/9/2020	6.86	6.37	6.89	6.37	6.71	
3/9/2021	7.02	6.27	6.83	6.32	6.62	
3/10/2021						6.81
10/11/2021	6.76				6.61	
10/12/2021				6.55		
10/14/2021		6.41	6.67			6.76
4/5/2022	7.01		6.58			
4/6/2022		6.37		6.16	6.65	
4/7/2022						6.69
10/18/2022	6.97		6.93			
10/19/2022		6.32		6.38	6.94	7.2
3/8/2023	6.44	6.26	6.71			
3/9/2023				6.28	6.53	6.92
10/19/2023	7	6.22	6.65			
10/20/2023				6.36	6.7	6.93
3/26/2024	6.61	6.33	6.76	6.34	6.78	
3/28/2024						6.99
10/17/2024	6.93	6.24	6.66	6.36	6.72	6.95

Time Series

Constituent: pH (SU) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		6.31	6.69		6.19
6/13/2018					6.18
6/14/2018		6.25	6.66		
7/23/2018			6.7		6.19
7/24/2018		6.34			
9/6/2018		6.29	6.66		6.13
10/2/2018		6.28	6.63		6.13
11/1/2018			6.75		6.25
11/2/2018		6.4			
12/6/2018		6.4	6.75		6.25
2/13/2019		6.37	6.7		6.24
4/4/2019		6.33	6.72		6.17
4/5/2019	6.12				
4/15/2019	6.14				
5/2/2019	6.19				
5/14/2019	6.12				
5/29/2019	6.11				
6/12/2019	6.09				
6/19/2019	6.1				
6/25/2019	6.18				
8/8/2019					6.23
8/9/2019	6.03	6.34	6.74		
8/30/2019	5.92	6.31	6.68		6.1
3/17/2020	5.97	6.57	6.69		
7/13/2020				6.77	
11/9/2020			6.74		
11/10/2020		6.37		7.06	
11/20/2020	6.09				6.23
3/8/2021					7
3/9/2021	6.13	6.39	6.74	7.1	
10/12/2021		6.51		6.95	6.16
10/20/2021	5.94				
10/21/2021			6.74		
4/6/2022		6.38	6.74	6.73	6.13
4/7/2022	5.91				
10/18/2022		6.43	6.67	6.7	6.32
10/19/2022	6.1				
3/9/2023	6.04	6.37	6.5	6.49	
3/13/2023					6.22
10/20/2023	6.15	6.28	6.61	6.54	6.23
3/26/2024	6.12	6.42		6.73	
3/28/2024			6.78		6.3
10/16/2024					6.47
10/17/2024	6.23	6.51	6.67	6.58	

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.00061 (J)					
6/13/2018	0.00034 (J)					
7/23/2018	0.00035 (J)					
9/1/2018	<0.005					
10/2/2018	<0.005					
11/1/2018	<0.005					
12/6/2018	<0.005					
2/13/2019	<0.005					
3/16/2019			<0.005	<0.005		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	<0.005 (D)		
4/16/2019			<0.005	<0.005		
5/3/2019			<0.005	<0.005		
5/14/2019			<0.005	<0.005		
5/29/2019			<0.005	<0.005		
6/12/2019			<0.005	<0.005		
8/8/2019	<0.005		<0.005	<0.005		
8/29/2019			<0.005	<0.005		
8/30/2019	<0.005					
3/17/2020	<0.005		<0.005	<0.005		
7/13/2020		<0.005				
7/21/2020					<0.005	<0.005
11/4/2020					<0.005	<0.005
11/9/2020			<0.005			
11/20/2020	<0.005	<0.005		<0.005		
3/8/2021	<0.005	<0.005			<0.005	<0.005
3/10/2021			<0.005	<0.005		
10/11/2021			<0.005	<0.005		
10/12/2021	<0.005	<0.005				
10/15/2021						<0.005
10/20/2021					<0.005	
4/4/2022			<0.005	<0.005		
4/5/2022	<0.005	<0.005				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	<0.005		
10/18/2022	<0.005	<0.005				
10/19/2022					<0.005	<0.005
3/7/2023			<0.005			
3/10/2023					<0.005	<0.005
3/13/2023	<0.005	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	<0.005	<0.005	<0.005	<0.005		
3/28/2024						<0.005
3/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
10/14/2024					<0.005	<0.005
10/16/2024	<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 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.005		0.0016
6/14/2018				0.00061 (J)		0.0019
7/24/2018				0.00037 (J)		0.00087 (J)
9/1/2018				<0.005		0.001 (J)
10/1/2018				<0.005		<0.005
11/2/2018				0.00072 (J)		0.001 (J)
12/7/2018				<0.005		0.0011 (J)
2/13/2019				<0.005		<0.005
3/16/2019			<0.005			
3/27/2019			<0.005			
4/3/2019			<0.005			
4/15/2019			<0.005			
5/2/2019			<0.005			
5/14/2019			<0.005			
5/28/2019			<0.005			
6/12/2019			<0.005			
8/8/2019			<0.005	<0.005		0.0017 (J)
8/30/2019			<0.005	<0.005		<0.005
3/16/2020			<0.005	<0.005		<0.005
7/11/2020					<0.005	
7/21/2020	<0.005					
7/30/2020		<0.005				
11/3/2020	<0.005					
11/4/2020		<0.005	<0.005			
11/5/2020				<0.005	<0.005	<0.005
3/8/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/9/2021						<0.005
10/12/2021			<0.005	<0.005	<0.005	
10/15/2021		<0.005				
10/20/2021	<0.005					
10/21/2021						<0.005
4/4/2022			<0.005			
4/5/2022				<0.005	<0.005	<0.005
4/7/2022	<0.005	<0.005				
10/17/2022			<0.005	<0.005		
10/18/2022					<0.005	<0.005
10/19/2022	<0.005	<0.005				
3/8/2023			<0.005	<0.005	<0.005	0.0014 (J)
3/10/2023	<0.005	<0.005				
10/18/2023	<0.005	<0.005				
10/19/2023			<0.005	<0.005	<0.005	<0.005
3/25/2024			<0.005	<0.005	<0.005	<0.005
3/28/2024	<0.005	<0.005				
10/14/2024	<0.005	<0.005				
10/16/2024			<0.005	<0.005	<0.005	
10/17/2024						0.0029 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.00055 (J)				
4/25/2018				0.00071 (J)		
6/14/2018		0.00068 (J)		0.0006 (J)		
7/24/2018		0.00036 (J)		0.0006 (J)		
9/1/2018		<0.005		<0.005		
10/1/2018		<0.005				
10/2/2018				<0.005		
11/2/2018		<0.005		<0.005		
12/6/2018		<0.005		<0.005		
2/13/2019		<0.005		<0.005		
8/9/2019		<0.005		<0.005		
8/30/2019		<0.005		<0.005		
3/16/2020		<0.005				
3/17/2020				<0.005		
7/13/2020	<0.005					
7/14/2020			<0.005			<0.005
7/30/2020					<0.005	
11/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
11/10/2020						<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/10/2021						<0.005
10/11/2021	<0.005				<0.005	
10/12/2021				<0.005		
10/14/2021		<0.005	<0.005			<0.005
4/5/2022	<0.005		<0.005			
4/6/2022		<0.005		<0.005	<0.005	
4/7/2022						<0.005
10/18/2022	<0.005		<0.005			
10/19/2022		<0.005		<0.005	<0.005	<0.005
3/8/2023	0.0012 (J)	<0.005	<0.005			
3/9/2023				0.0016 (J)	<0.005	<0.005
10/19/2023	<0.005	<0.005	<0.005			
10/20/2023				<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
3/28/2024						<0.005
10/17/2024	<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 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00046 (J)	0.00042 (J)		0.00081 (J)
6/13/2018					0.00027 (J)
6/14/2018		0.00039 (J)	0.00049 (J)		
7/23/2018			0.0006 (J)		0.00041 (J)
7/24/2018		0.00036 (J)			
9/6/2018		<0.005	<0.005		<0.005
10/2/2018		<0.005	<0.005		<0.005
11/1/2018			<0.005		<0.005
11/2/2018		<0.005			
12/6/2018		<0.005	<0.005		<0.005
2/13/2019		<0.005	<0.005		<0.005
4/5/2019	<0.005 (D)				
4/15/2019	<0.005				
5/2/2019	<0.005				
5/14/2019	<0.005				
5/29/2019	<0.005				
6/12/2019	<0.005				
6/19/2019	<0.005				
6/25/2019	<0.005				
8/8/2019					<0.005
8/9/2019	<0.005	<0.005	<0.005		
8/30/2019	<0.005	<0.005	<0.005		<0.005
3/17/2020	<0.005	<0.005	<0.005		<0.005
7/13/2020				<0.005	
11/9/2020			<0.005		
11/10/2020		<0.005		<0.005	
11/20/2020	<0.005				<0.005
3/8/2021					<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	
10/12/2021		<0.005		<0.005	<0.005
10/20/2021	<0.005				
10/21/2021			<0.005		
4/6/2022		<0.005	<0.005	<0.005	<0.005
4/7/2022	<0.005				
10/18/2022		<0.005	<0.005	<0.005	<0.005
10/19/2022	<0.005				
3/9/2023	<0.005	<0.005	0.00076 (J)	<0.005	
3/13/2023					0.0012 (J)
10/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005		<0.005	
3/28/2024			<0.005		<0.005
10/16/2024					0.0019 (J)
10/17/2024	0.0015 (J)	0.0019 (J)	0.0017 (J)	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	290					
6/13/2018	310					
7/23/2018	300					
9/1/2018	290					
10/2/2018	300					
11/1/2018	290					
12/6/2018	290					
2/13/2019	230					
3/16/2019			3.6	0.88 (J)		
3/27/2019			0.81 (JD)	1.3 (D)		
4/3/2019			1.1 (D)	1.9 (D)		
4/4/2019	240					
4/16/2019			0.68 (J)	2.5		
5/3/2019			1.1	1.3		
5/14/2019			1.3	2.2		
5/29/2019			2.1	1.2		
6/12/2019			1.9	1.1		
8/29/2019			2.3	1.1		
8/30/2019	160					
3/17/2020	110		3.7	3.2		
7/13/2020		5.31				
7/21/2020					802	713
11/4/2020					1700 (o)	670
11/9/2020			0.51 (J)			
11/20/2020	50	2.9		0.79 (J)		
3/8/2021	24	3			720	740
3/10/2021			<1	1.1		
10/11/2021			<1	<1		
10/12/2021	4	2.4				
10/15/2021						730
10/20/2021					840	
4/4/2022			0.91 (J)	1.3		
4/5/2022	7.5	5.2				
4/7/2022					810	810
10/17/2022			<1	<1		
10/18/2022	<1	3.7				
10/19/2022					810	830
3/7/2023			0.82 (J)			
3/10/2023					850	870
3/13/2023	2.5	5.3				
3/14/2023				<1		
10/18/2023					750	690
10/21/2023	2.4 (J)	4.2	<1	1		
3/28/2024						770
3/29/2024	<1	4.6	<1	<1	890	
10/14/2024					780	1100 (o)
10/16/2024	<1	5.7	<1	<1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<5		1200
6/14/2018				7.2		1200
7/24/2018				2.7 (J)		1100
9/1/2018				1.5 (J)		1200
10/1/2018				<5		1200
11/2/2018				1.9 (J)		1000
12/7/2018				<5		1100
2/13/2019				1.5 (J)		1100
3/16/2019			14			
3/27/2019			19			
4/3/2019			4.6 (J)			
4/5/2019				7		1200
4/15/2019			8.6			
5/2/2019			6			
5/14/2019			5.8			
5/28/2019			9.4			
6/12/2019			8.8			
8/30/2019			13	8.4		1100
3/16/2020			23	16		1100
7/11/2020					10.6	
7/21/2020	52.9					
7/30/2020		33.4				
11/3/2020	550					
11/4/2020		440	10			
11/5/2020				4.4 (J)	13	1000
3/8/2021	97	72	12	5.7	4.6	
3/9/2021						1100
10/12/2021			<1	<5	3.1	
10/15/2021		55				
10/20/2021	91.5 (D)					
10/21/2021						1040 (D)
4/4/2022			21			
4/5/2022				11	3.9	1100
4/7/2022	160	140				
10/17/2022			1.2	5.6		
10/18/2022					3	850
10/19/2022	76	57				
3/8/2023			5	5.6	4.3	960
3/10/2023	88	76				
10/18/2023	80	88				
10/19/2023			<1	690	3.8	980
3/25/2024			6.3	6	3.7	980
3/28/2024	97	95				
10/14/2024	140	88				
10/16/2024			8.8	8.8	4.4	
10/17/2024						1000

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		340				
4/25/2018				920		
6/14/2018		350		980		
7/24/2018		310		950		
9/1/2018		300		980		
10/1/2018		330				
10/2/2018				960		
11/2/2018		310		860		
12/6/2018		300		990		
2/13/2019		320		930		
4/4/2019				1100		
4/5/2019		330				
8/30/2019		330		940		
3/16/2020		330				
3/17/2020				910		
7/13/2020	8.05					
7/14/2020			554			33.5
7/30/2020					12.7	
11/9/2020	5.8	320	560	1000	13	
11/10/2020						20
3/9/2021	11	320	520	910	11	
3/10/2021						14
10/11/2021	4.8				8.9	
10/12/2021				900		
10/14/2021		290	660			12
4/5/2022	6.6		720			
4/6/2022		300		910	10	
4/7/2022						11
10/18/2022	5.3		700			
10/19/2022		230		810	12	13
3/8/2023	6.2	210	710			
3/9/2023				810	6.3	19
10/19/2023	5.4	190	310			
10/20/2023				660	4.6	17
3/26/2024	5.6	170	710	610	4.8	
3/28/2024						18
10/17/2024	5.6	190	690	600	4.9	19

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		65	670		270
6/13/2018					300
6/14/2018		81	650		
7/23/2018			610		280
7/24/2018		52			
9/6/2018		53	690		270
10/2/2018		34	650		280
11/1/2018			610		270
11/2/2018		35			
12/6/2018		65	660		300
2/13/2019		74	600		280
4/4/2019		61	640		330
4/5/2019	800 (D)				
4/15/2019	700				
5/2/2019	810				
5/14/2019	810				
5/29/2019	830				
6/12/2019	830				
6/19/2019	810				
6/25/2019	800				
8/30/2019	800	83	620		280
3/17/2020	590	430	680		290
7/13/2020				10.5	
11/9/2020			590		
11/10/2020		64		1.8	
11/20/2020	790				270
3/8/2021					280
3/9/2021	830	100	630	0.84 (J)	
10/12/2021		13		0.83 (J)	270
10/20/2021	835 (D)				
10/21/2021			615 (D)		
4/6/2022		98	610	15	290
4/7/2022	820				
10/18/2022		25	560	7.6	280
10/19/2022	800				
3/9/2023	810	79	570	9.3	
3/13/2023					250
10/20/2023	760	93	590	4.3	190
3/26/2024	770	100		5.7	
3/28/2024			630		170
10/16/2024					160
10/17/2024	820	45	610	5.4	

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	<0.001					
12/6/2018	<0.001					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	0.00015 (J)		<0.001	<0.001		
8/29/2019			0.00015 (J)	0.00017 (J)		
8/30/2019	0.00058 (J)					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		<0.001				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	<0.001		<0.001		
3/8/2021	0.00068 (J)	0.00057 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	<0.001				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			<0.001	<0.001		
4/5/2022	<0.001	<0.001				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	<0.001				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	<0.001	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
10/14/2024					<0.001	<0.001
10/16/2024	<0.001	<0.001	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		0.00012 (J)
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		<0.001
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	0.00084 (J)		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					<0.001	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	0.00019 (J)			
11/5/2020				<0.001	<0.001	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	<0.001	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				<0.001	<0.001	<0.001
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				
10/14/2024	<0.001	<0.001				
10/16/2024			<0.001	<0.001	<0.001	
10/17/2024						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		<0.001		<0.001		
12/6/2018		<0.001		<0.001		
2/13/2019		<0.001		<0.001		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					<0.001	
11/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/10/2021						<0.001
10/11/2021	<0.001				<0.001	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		<0.001			
4/6/2022		<0.001		<0.001	<0.001	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	<0.001	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			<0.001		<0.001
11/2/2018		<0.001			
12/6/2018		<0.001	<0.001		<0.001
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					<0.001
8/9/2019	<0.001	<0.001	0.00025 (J)		
8/30/2019	<0.001	<0.001	0.0013		0.0016
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					0.00024 (J)
3/9/2021	<0.001	<0.001	0.00017 (J)	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	<0.001	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001
10/16/2024					<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2500					
6/13/2018	2900					
7/23/2018	3100					
9/1/2018	2700					
10/2/2018	2900					
11/1/2018	2700					
12/6/2018	2600					
2/13/2019	2800					
3/16/2019			120	150		
3/27/2019			63 (D)	110 (D)		
4/3/2019			100 (D)	150 (D)		
4/4/2019	2500					
4/16/2019			110	150		
5/3/2019			91	130		
5/14/2019			120	150		
5/29/2019			140	180		
6/12/2019			100	130		
8/29/2019			73	110		
8/30/2019	2200					
3/17/2020	2700		95	120		
7/13/2020		152				
7/21/2020					3760	6350
11/4/2020					5400	6500
11/9/2020			68			
11/20/2020	2100	180		160		
3/8/2021	2100	160			3600	6800
3/10/2021			89	140		
10/11/2021			80	120		
10/12/2021	2300	160				
10/15/2021						5700
10/20/2021					3400	
4/4/2022			78	120		
4/5/2022	1700	140				
4/7/2022					3400	6000
10/17/2022			86	120		
10/18/2022	1900	130				
10/19/2022					3600	5900
3/7/2023			86			
3/10/2023					3600	5600
3/13/2023	1500	150				
3/14/2023				120		
10/18/2023					3500	6200
10/21/2023	1600	150	73	130		
3/28/2024						6100
3/29/2024	1400	130	87	120	3500	
10/14/2024					3200	5200
10/16/2024	1400	130	74	110		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4800		18000
6/14/2018				5700		13000
7/24/2018				6000		18000
9/1/2018				6300		20000
10/1/2018				6500		20000
11/2/2018				3800		19000
12/7/2018				5300		13000
2/13/2019				6200		16000
3/16/2019			3300			
3/27/2019			2900			
4/3/2019			3600			
4/5/2019				5000		18000
4/15/2019			3300			
5/2/2019			3300			
5/14/2019			3600			
5/28/2019			3500			
8/30/2019			3500	4400		18000
3/16/2020			4500	4400		16000
7/11/2020					170	
7/21/2020	5400					
7/30/2020		5020				
11/3/2020	9200					
11/4/2020		8500	5000			
11/5/2020				4100	190	19000
3/8/2021	6200	5100	5200	4300	160	
3/9/2021						22000
10/12/2021			4700	4400	160	
10/15/2021		5700				
10/20/2021	5200					
10/21/2021						18000
4/4/2022			4700			
4/5/2022				4400	140	16000
4/7/2022	5100	5100				
10/17/2022			4900	6600		
10/18/2022					150	14000
10/19/2022	5700	5700				
3/8/2023			4400	4000	150	17000
3/10/2023	5000	4700				
10/18/2023	5000	5300				
10/19/2023			4200	3900	140	17000
3/25/2024			4600	4000	140	16000
3/28/2024	4900	5100				
10/14/2024	4700	4900				
10/16/2024			4500	4100	160	
10/17/2024						16000

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		7700				
4/25/2018				16000		
6/14/2018		7200		14000		
7/24/2018		7000		15000		
9/1/2018		7800		16000		
10/1/2018		8400				
10/2/2018				17000		
11/2/2018		7600		15000		
12/6/2018		7400		14000		
2/13/2019		7700		16000		
4/4/2019				18000		
4/5/2019		7000				
8/30/2019		5800		16000		
3/16/2020		6100				
3/17/2020				15000		
7/13/2020	152					
7/14/2020			14800			184
7/30/2020					133 (D)	
11/9/2020	170	5400	16000	14000	130	
11/10/2020						150
3/9/2021	230	5500	19000	20000	150	
3/10/2021						160
10/11/2021	170				140	
10/12/2021				15000		
10/14/2021		5700	15000			150
4/5/2022	160		14000			
4/6/2022		5200		15000	130	
4/7/2022						160
10/18/2022	170		15000			
10/19/2022		5900		13000	240	160
3/8/2023	180	4600	15000			
3/9/2023				15000	150	190
10/19/2023	170	3900	14000			
10/20/2023				13000	130	200
3/26/2024	180	3900	14000	12000	140	
3/28/2024						210
10/17/2024	190	3900	11000	10000	130	220

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 4:08 PM View: Desc.

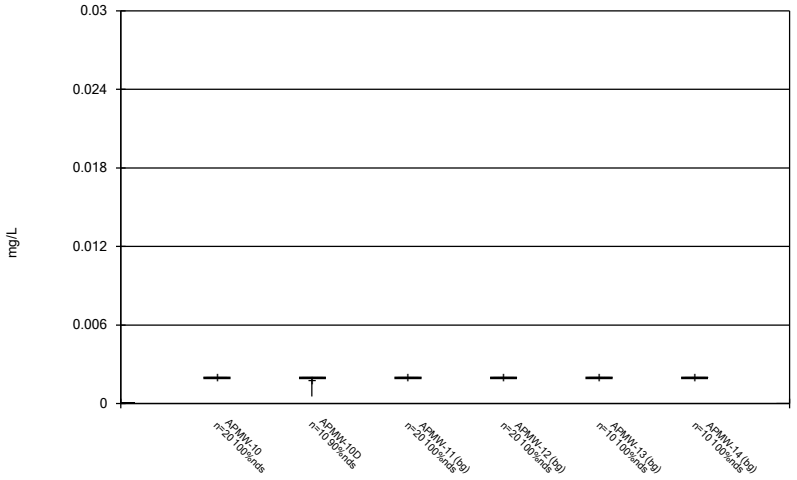
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		7500	6400		5800
6/13/2018					5800
6/14/2018		7000	6000		
7/23/2018			7200		5800
7/24/2018		7200			
9/6/2018		7000	7800		6300
10/2/2018		7400	8200		6500
11/1/2018			7300		5000
11/2/2018		6900			
12/6/2018		6900	8300		6000
2/13/2019		8200	8900		6700
4/4/2019		8100	7700		4500
4/5/2019	7800 (D)				
4/15/2019	6600				
5/2/2019	7400				
5/14/2019	8300				
5/29/2019	8600				
6/12/2019	6800				
6/19/2019	7100				
6/25/2019	8500				
8/30/2019	6600	6900	6300		4900
3/17/2020	7200	6900	6400		5400
7/13/2020				148	
11/9/2020			7100		
11/10/2020		7100		150	
11/20/2020	7400				6000
3/8/2021					6300
3/9/2021	8800	7800	8100	170	
10/12/2021		6900		170	7000
10/20/2021	7600				
10/21/2021			6600		
4/6/2022		7700	8900	130	5600
4/7/2022	7600				
10/18/2022		7900	7000	140	5900
10/19/2022	7000				
3/9/2023	7500	7900	7400	110	
3/13/2023					6000
10/20/2023	7000	8000	7100	110	5100
3/26/2024	7300	7600		120	
3/28/2024			7600		5100
10/16/2024					5200
10/17/2024	6800	7000	7100	99	

FIGURE B.

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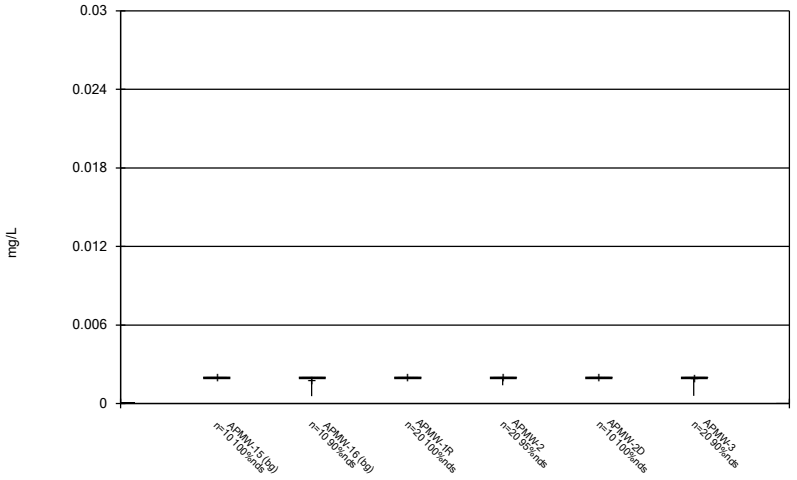
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

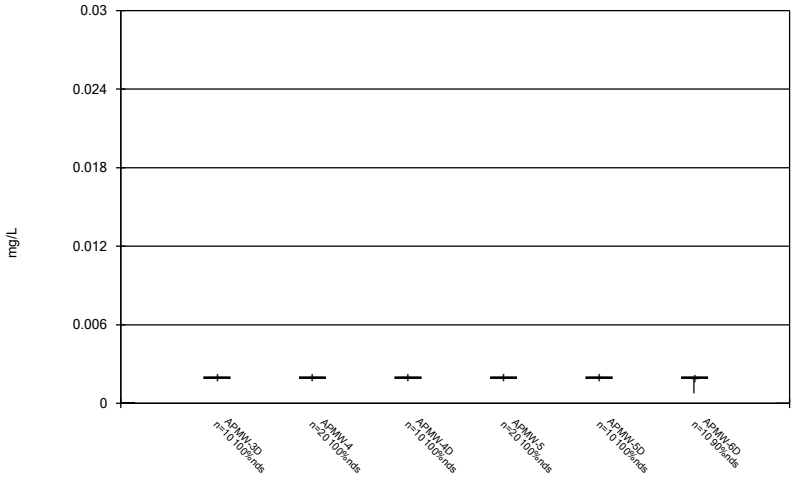
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

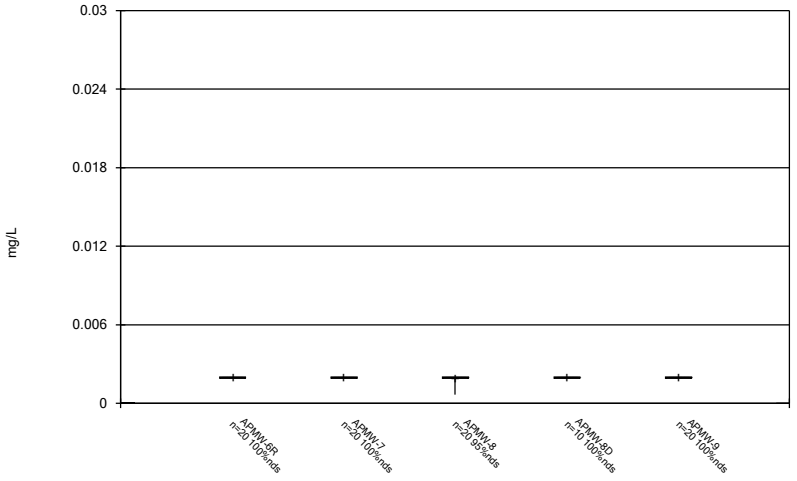
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

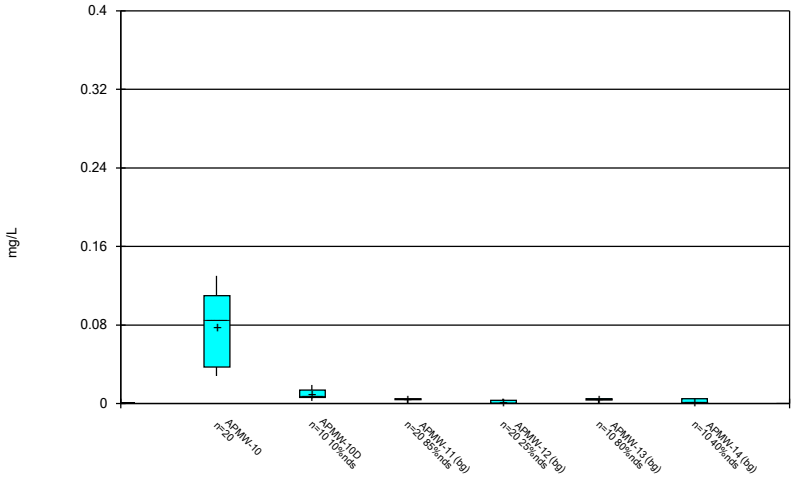
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

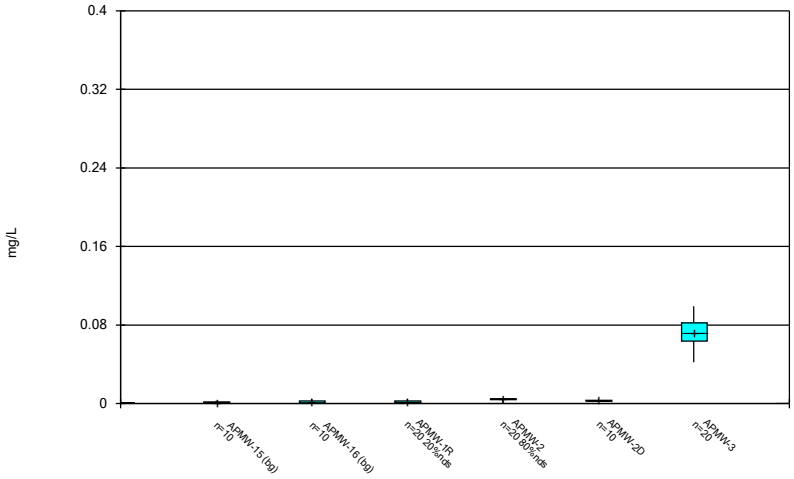
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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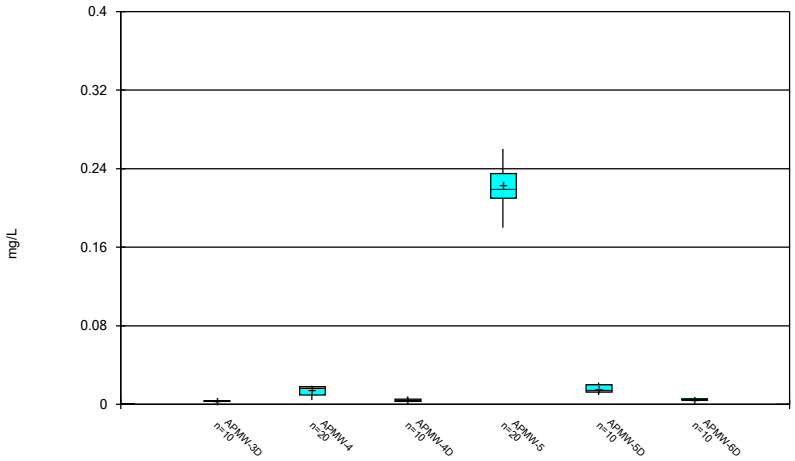
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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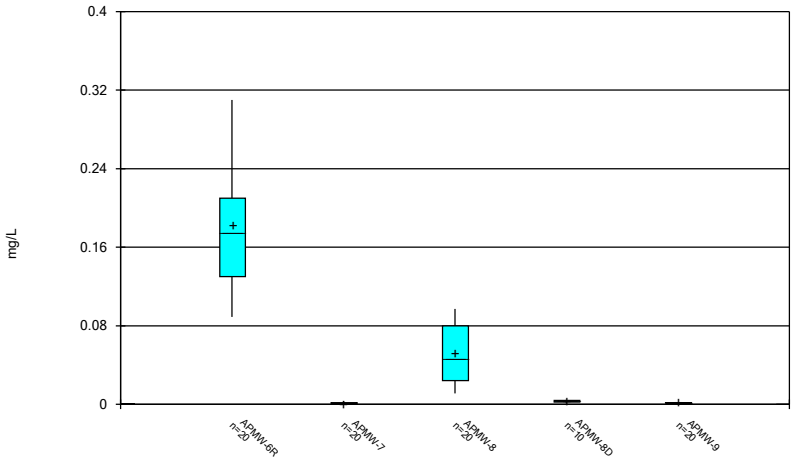
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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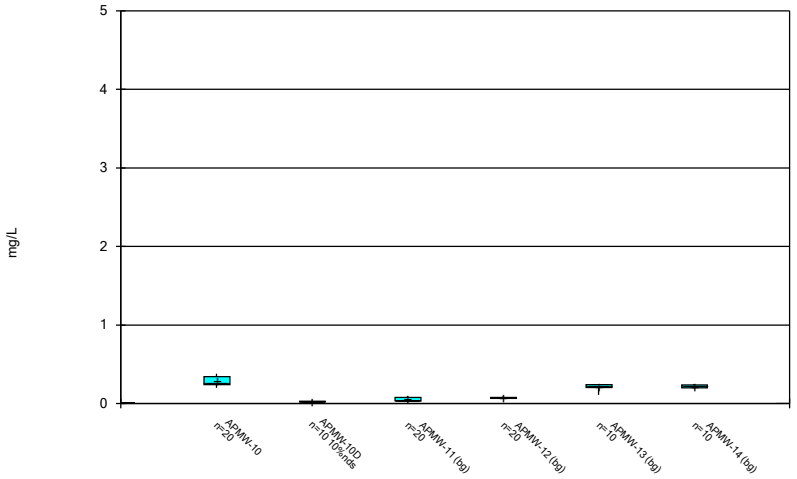
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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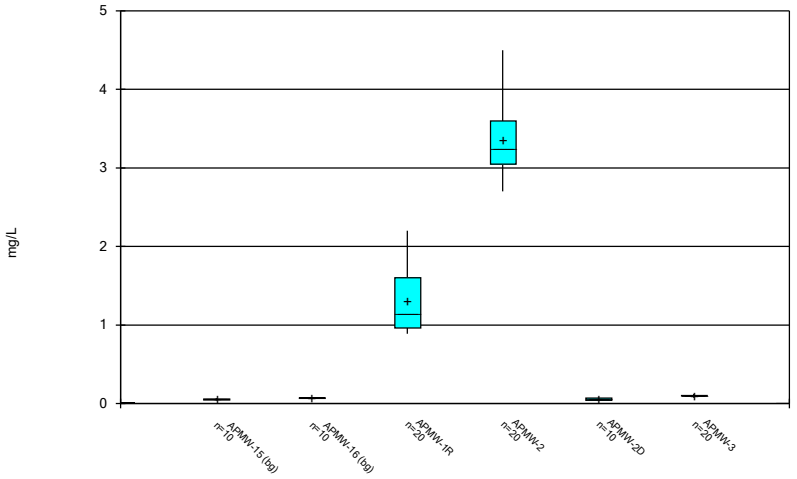
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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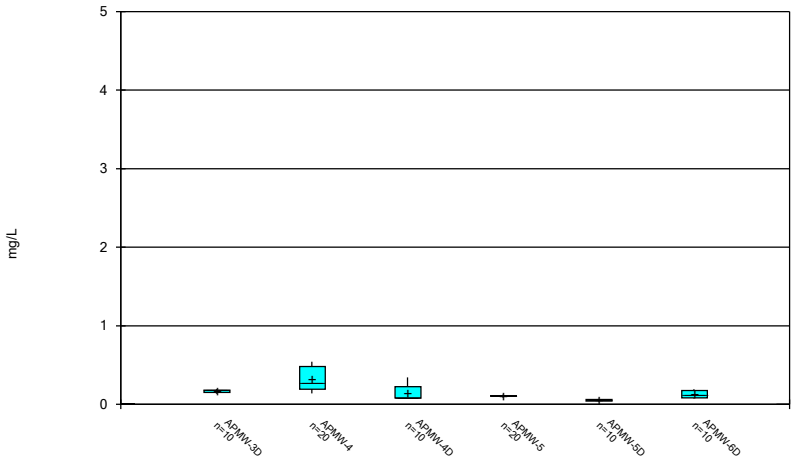
Box & Whiskers Plot



Constituent: Barium Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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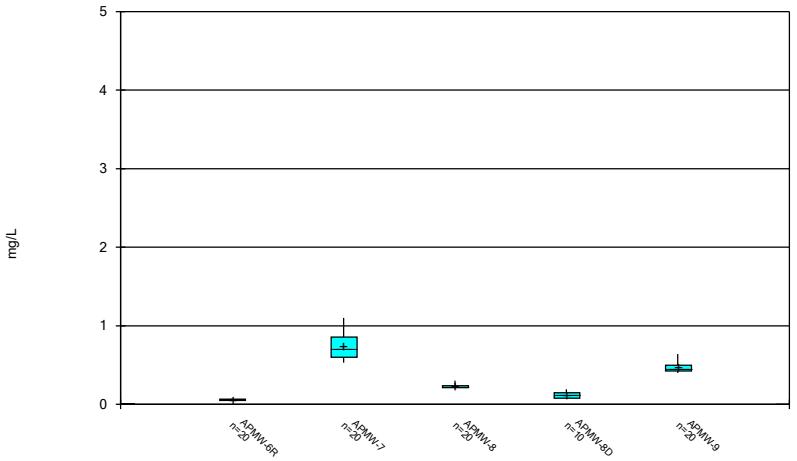
Box & Whiskers Plot



Constituent: Barium Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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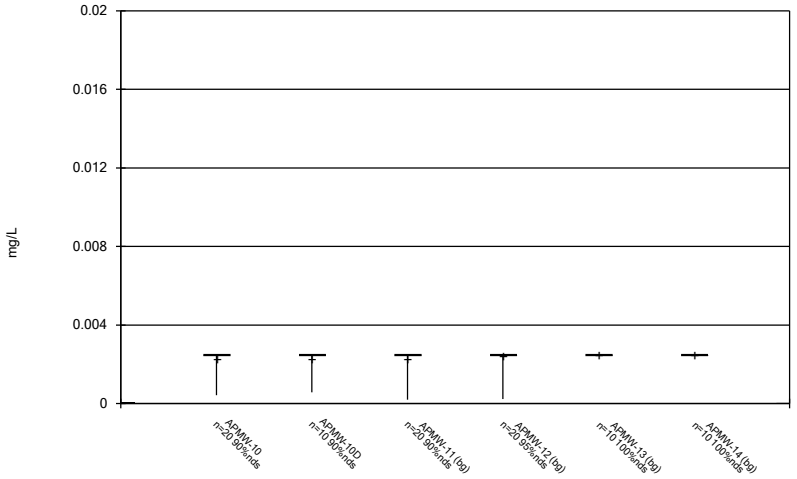
Box & Whiskers Plot



Constituent: Barium Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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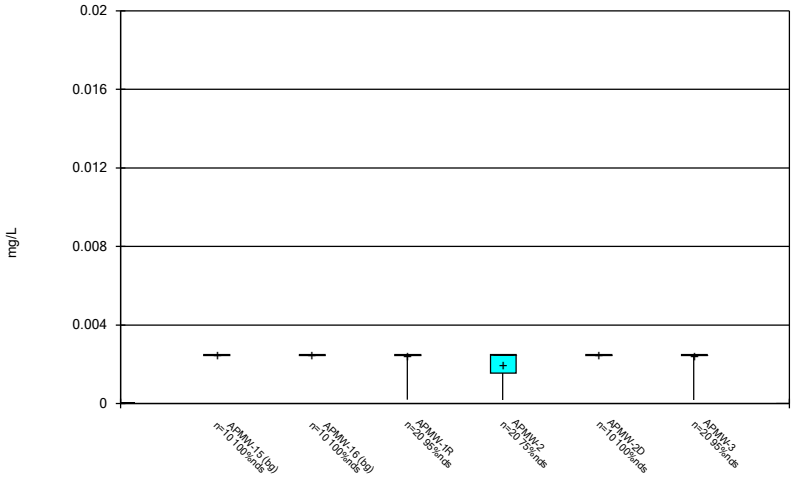
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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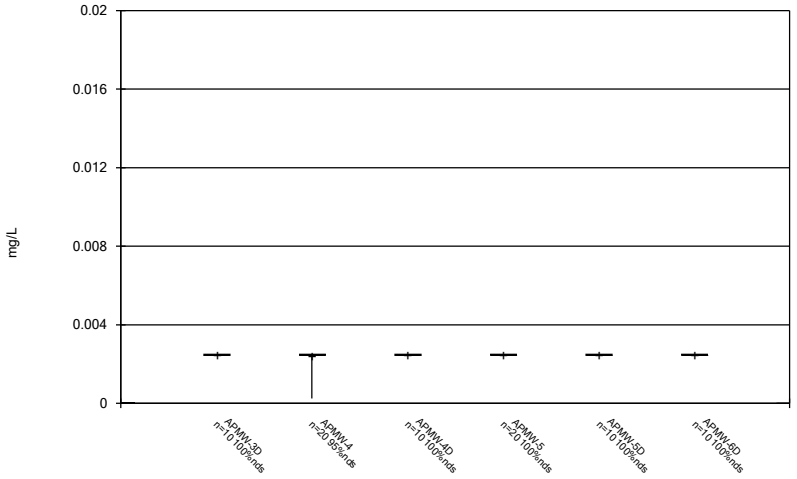
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 12/6/2024 4:09 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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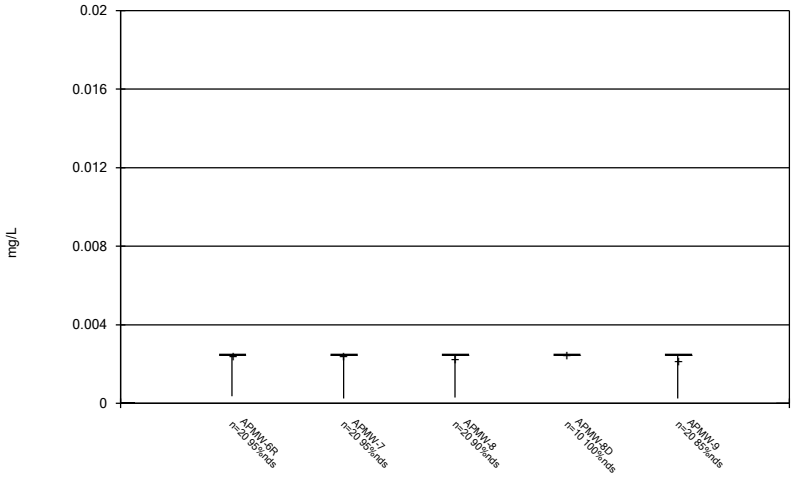
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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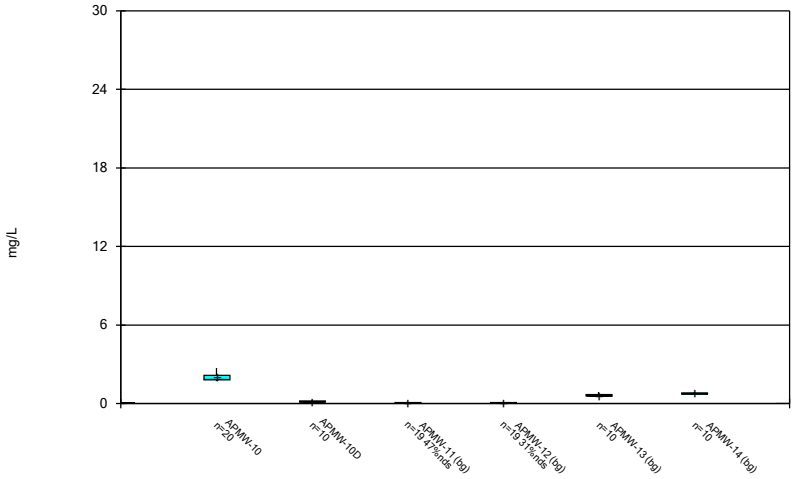
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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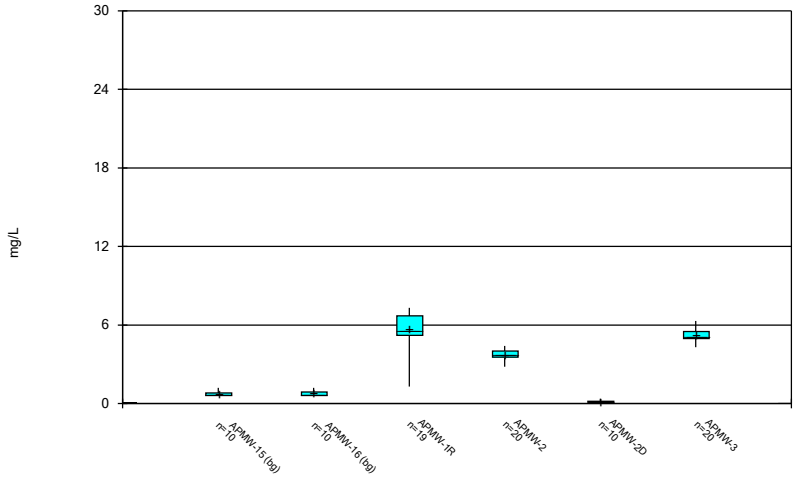
Box & Whiskers Plot



Constituent: Boron Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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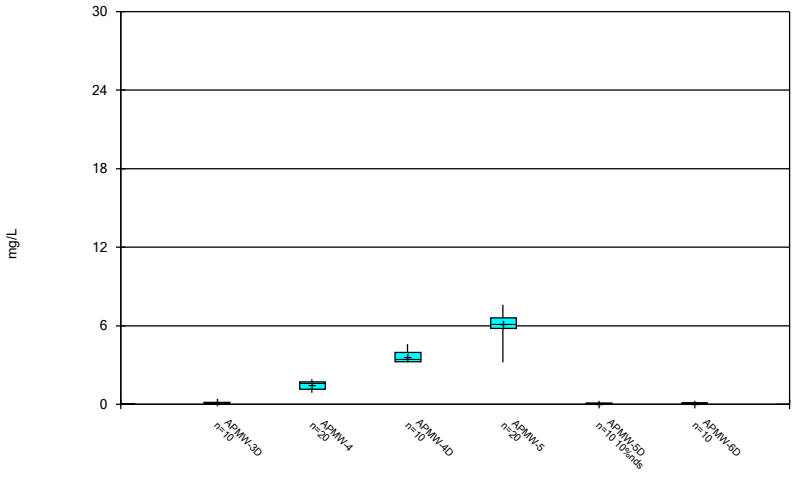
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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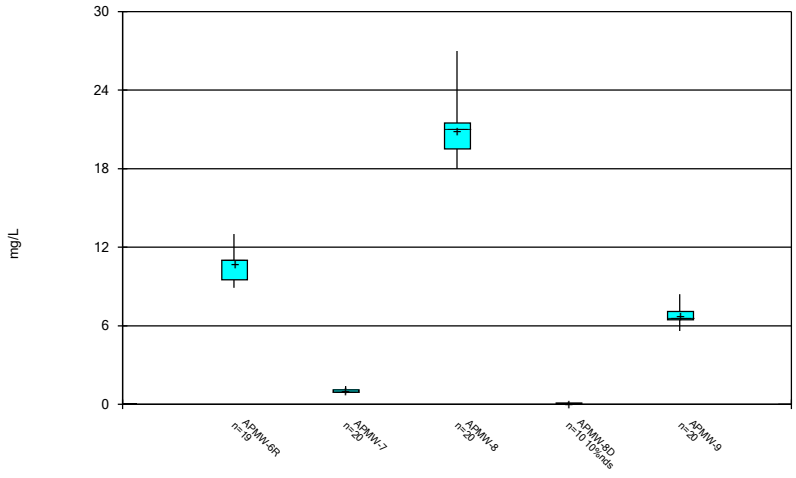
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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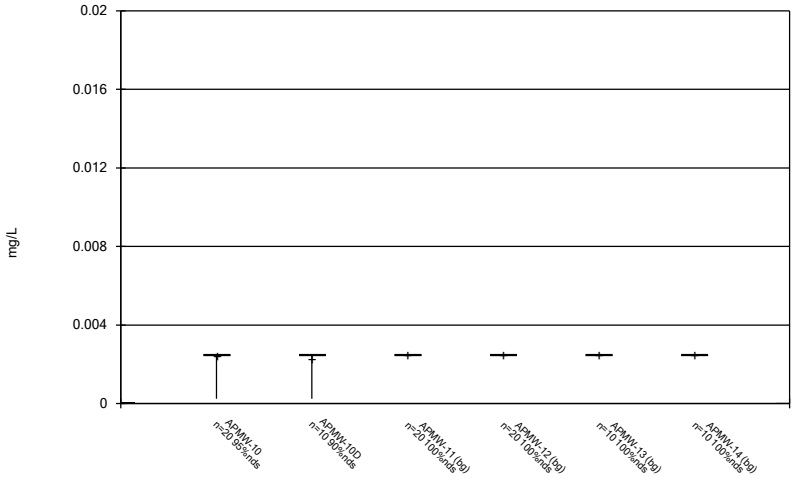
Box & Whiskers Plot



Constituent: Boron Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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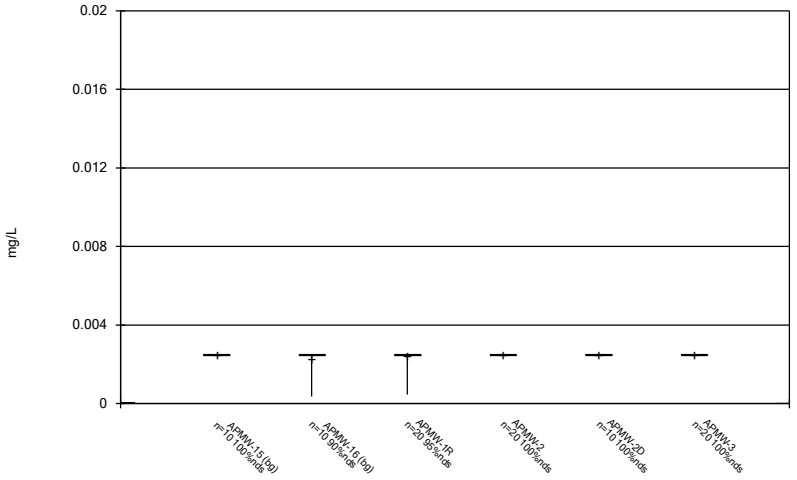
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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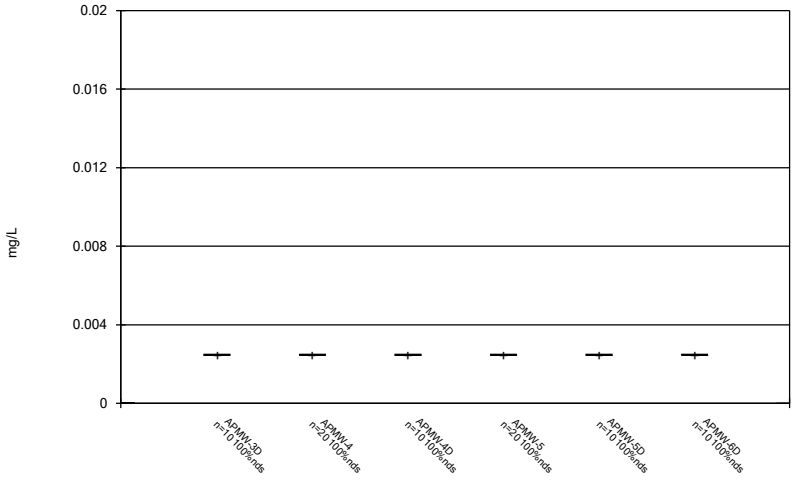
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

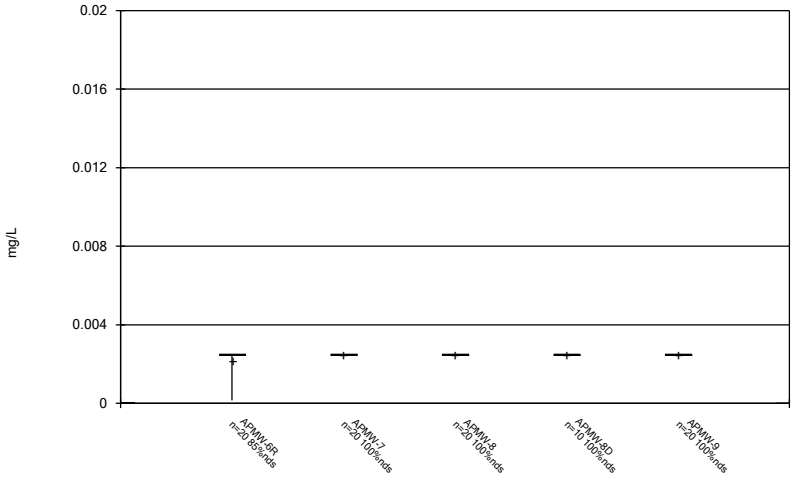
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

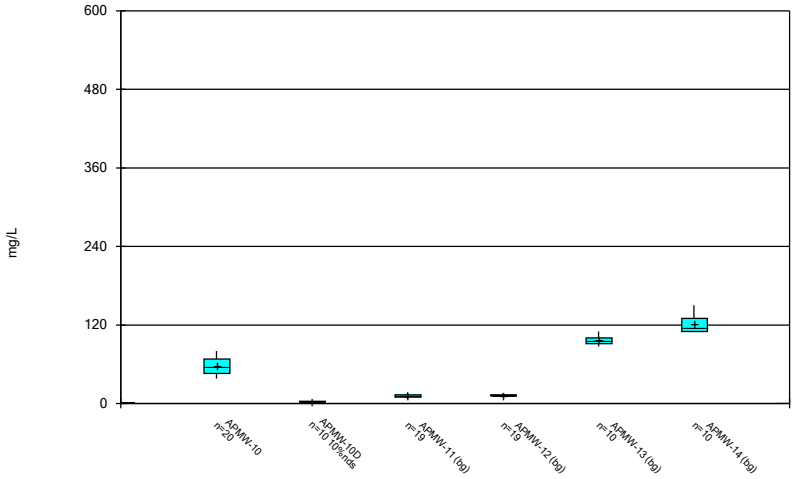
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

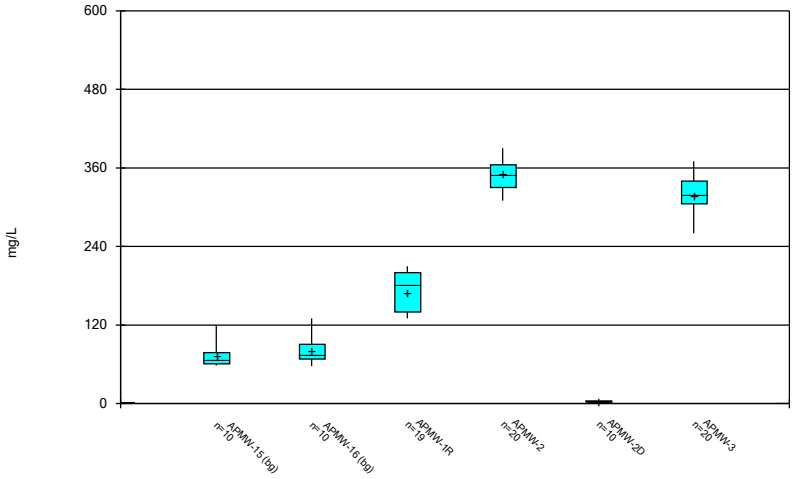
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

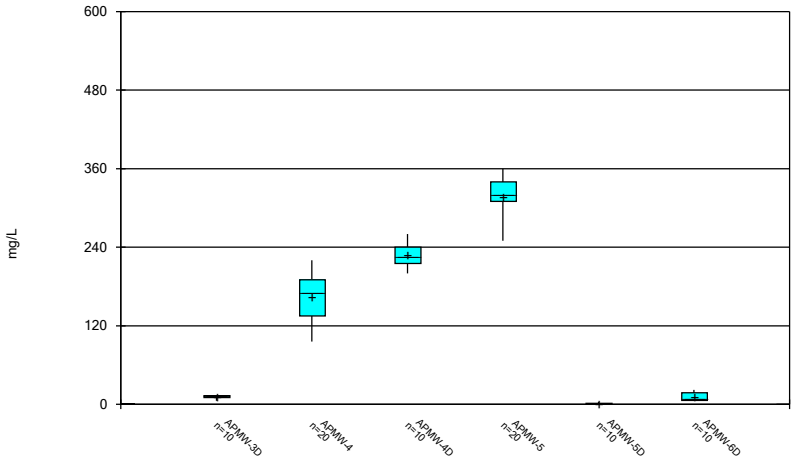
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

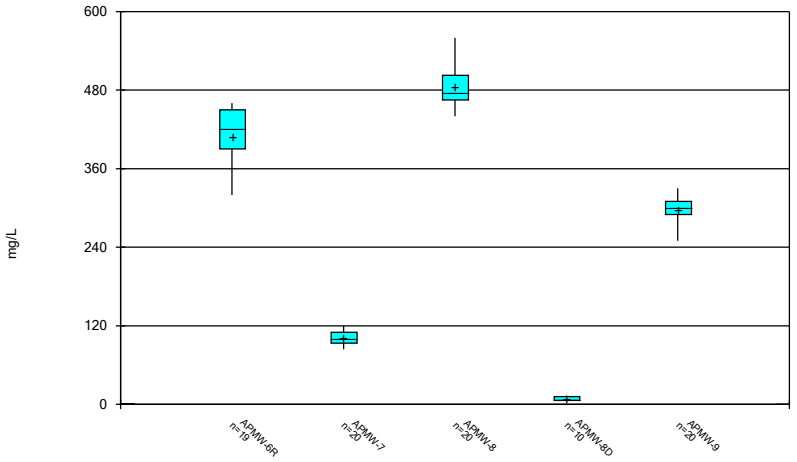
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

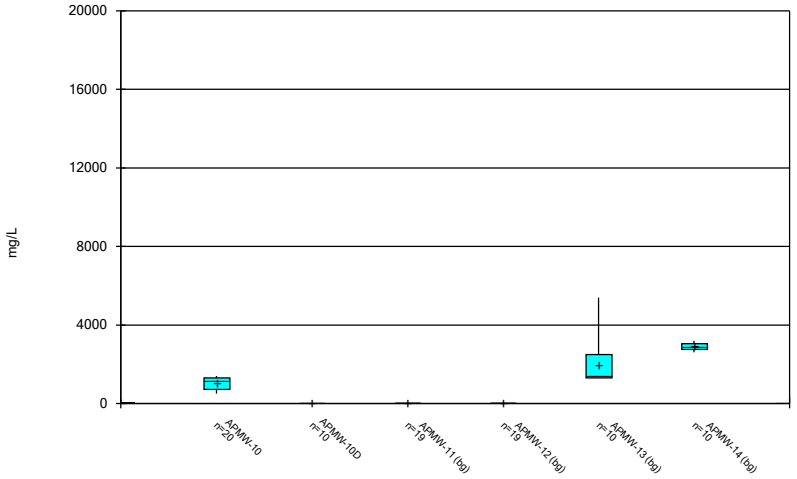
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

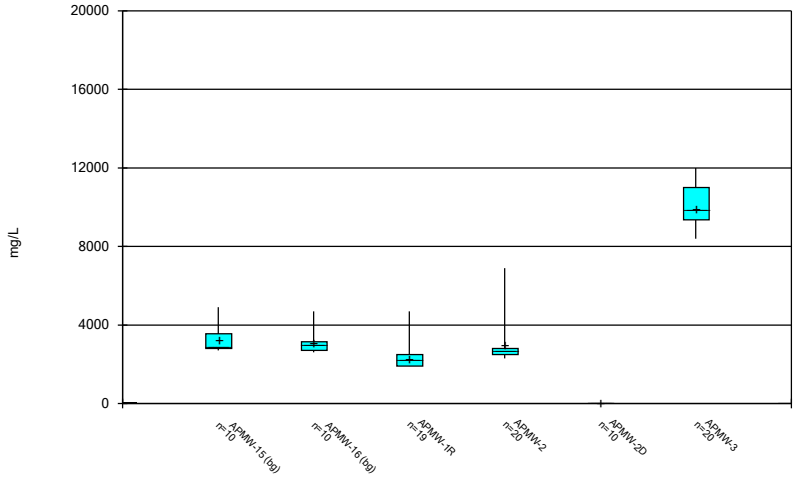
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

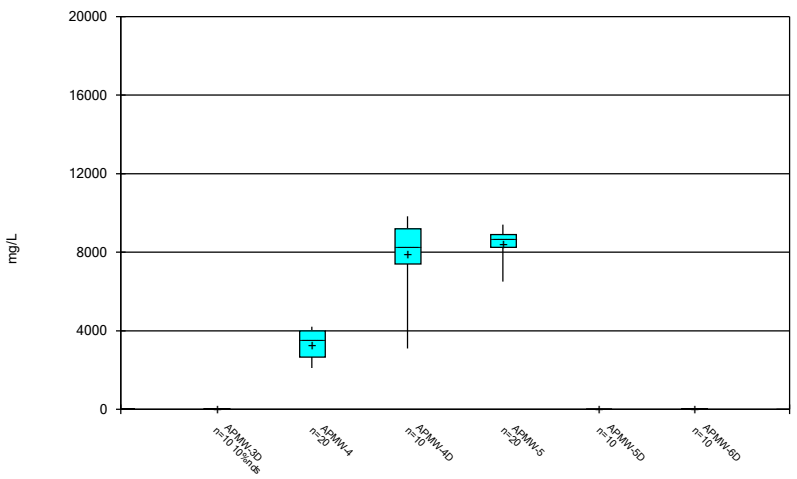
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

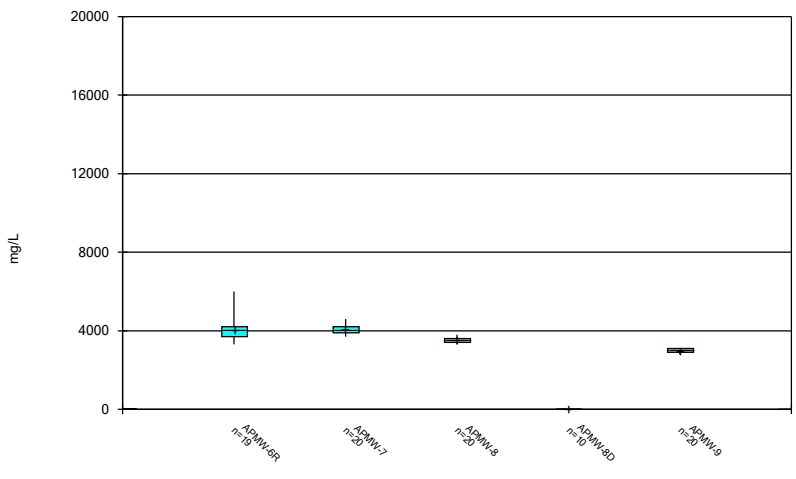
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

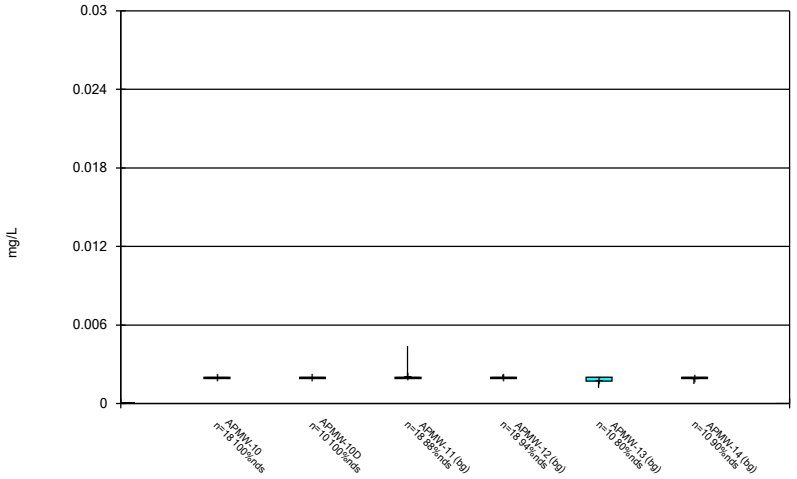
Box & Whiskers Plot



Constituent: Chloride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

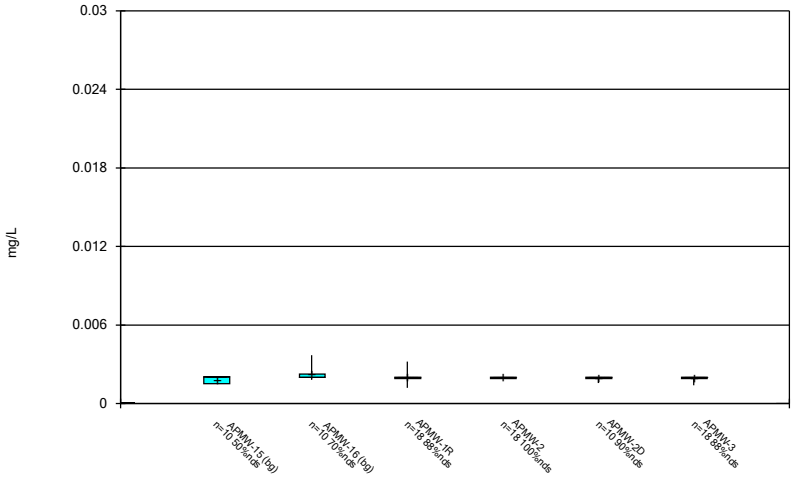
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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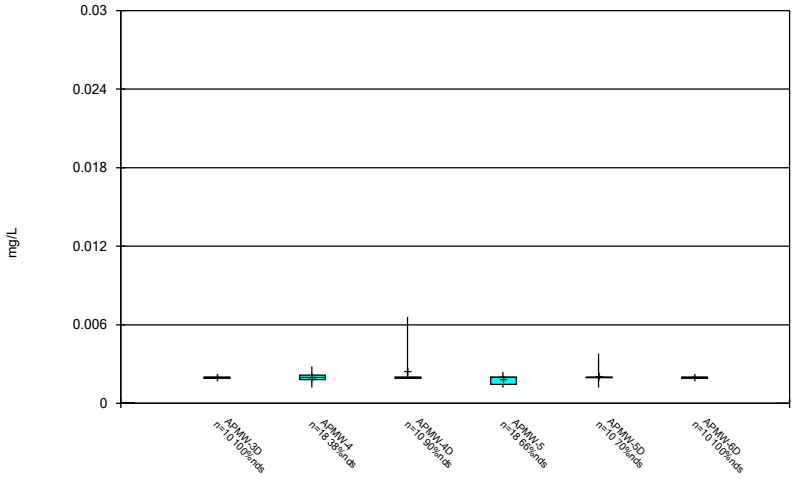
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

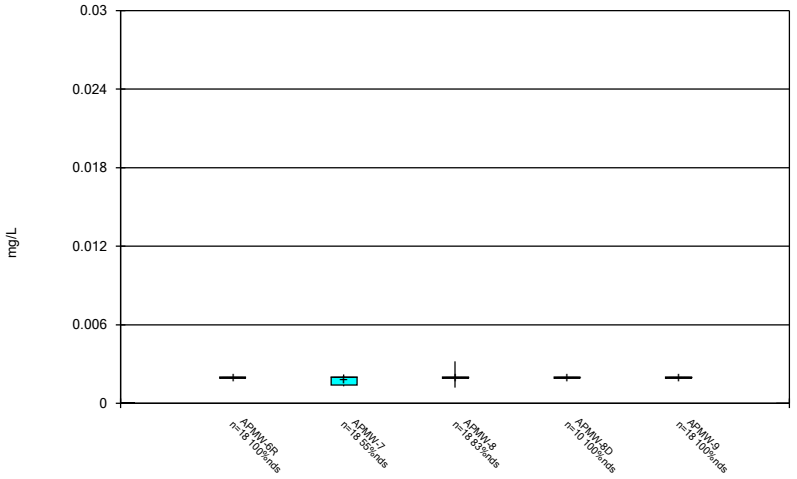
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

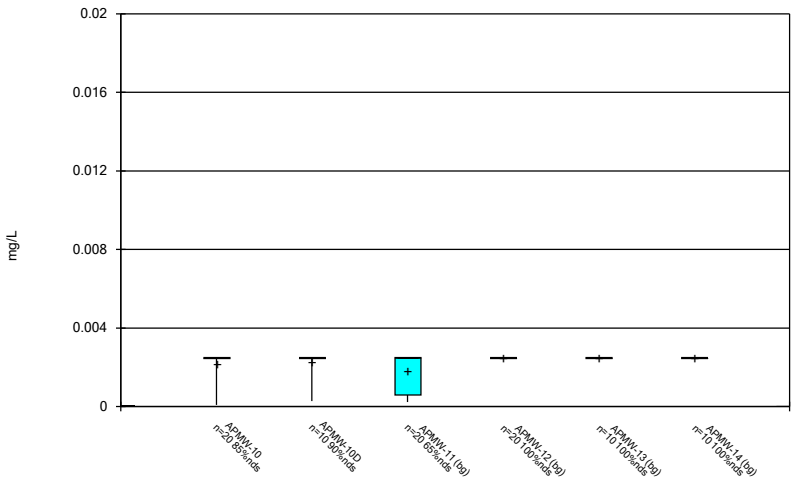
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

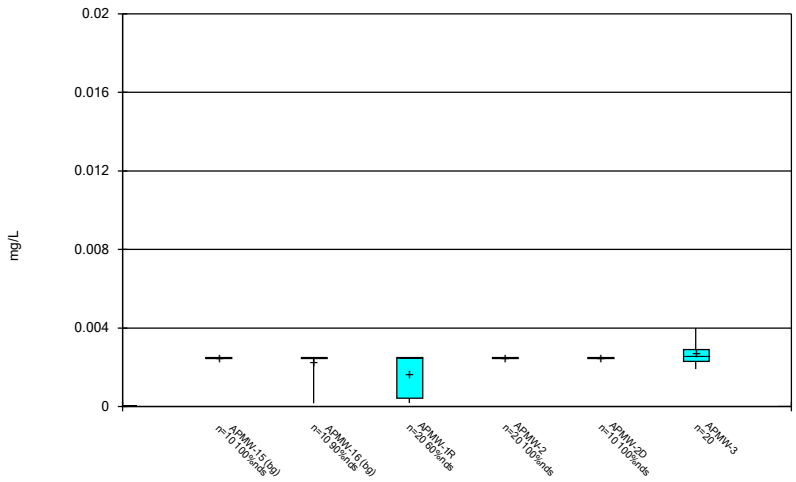
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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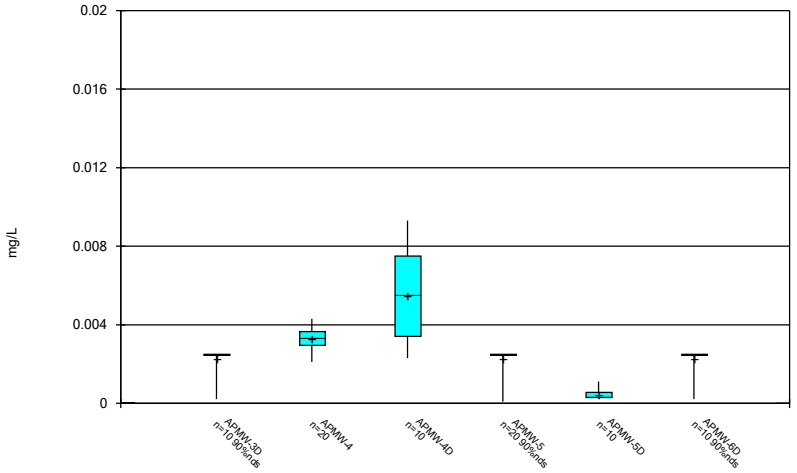
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

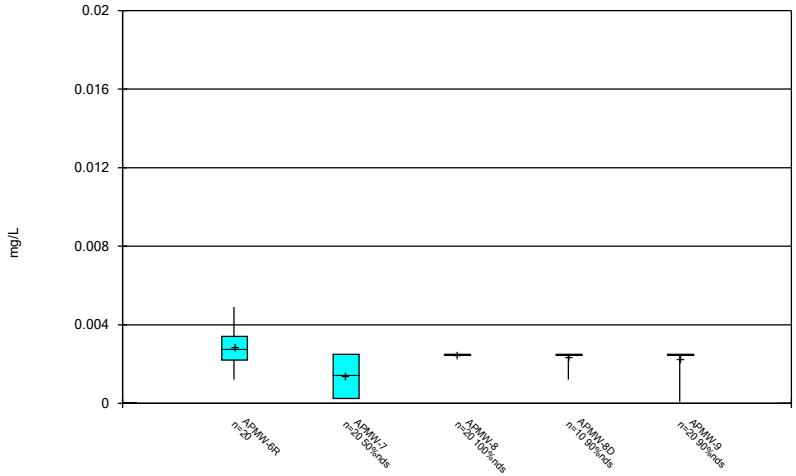
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

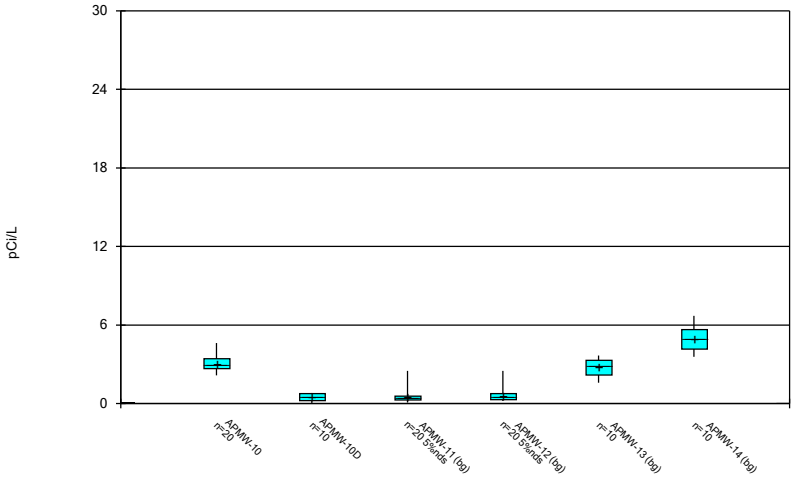
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

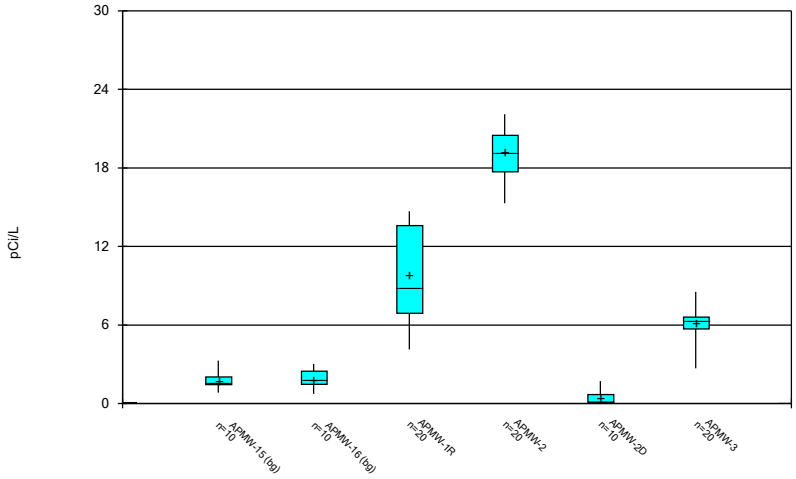
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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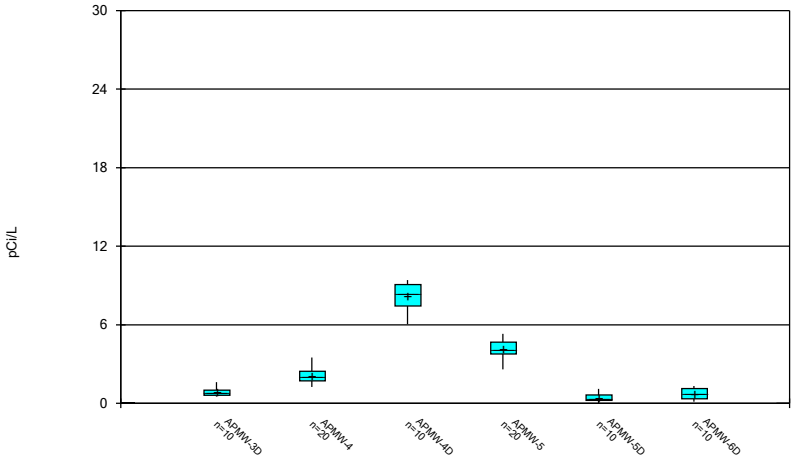
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

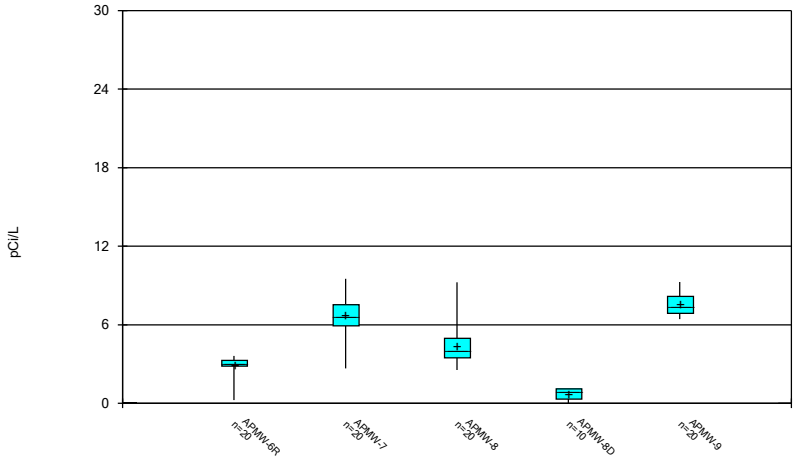
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

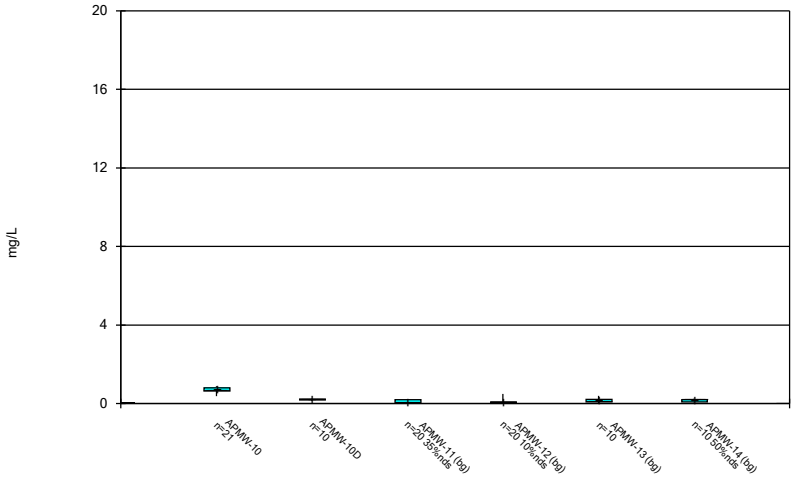
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

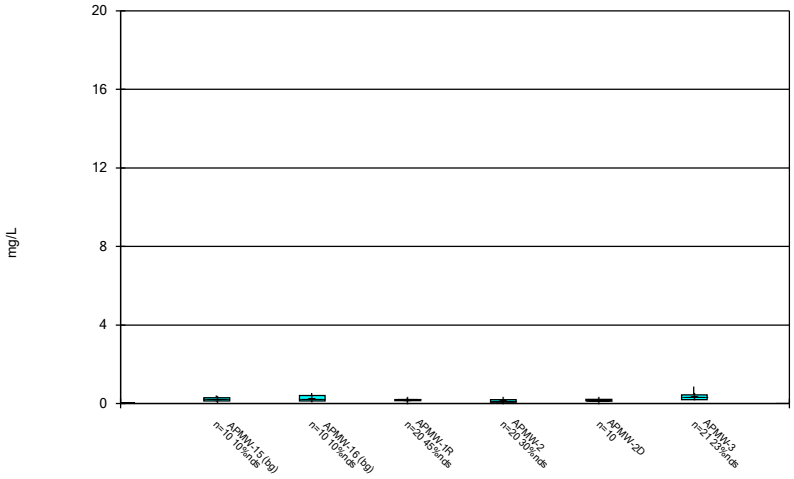
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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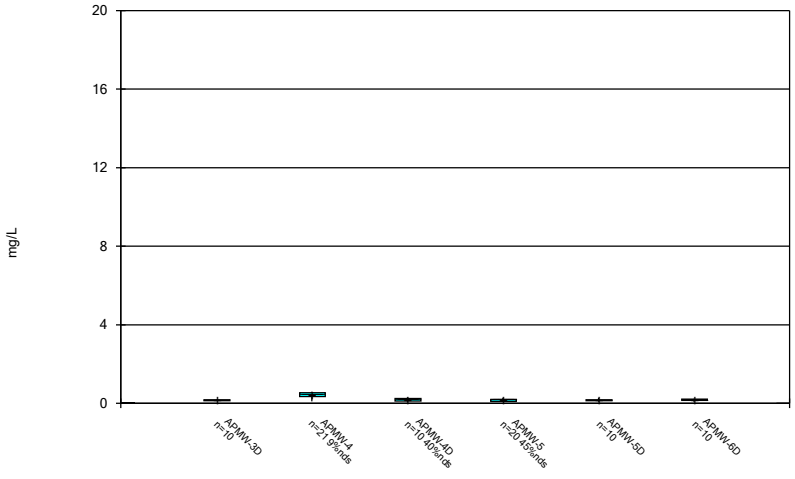
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

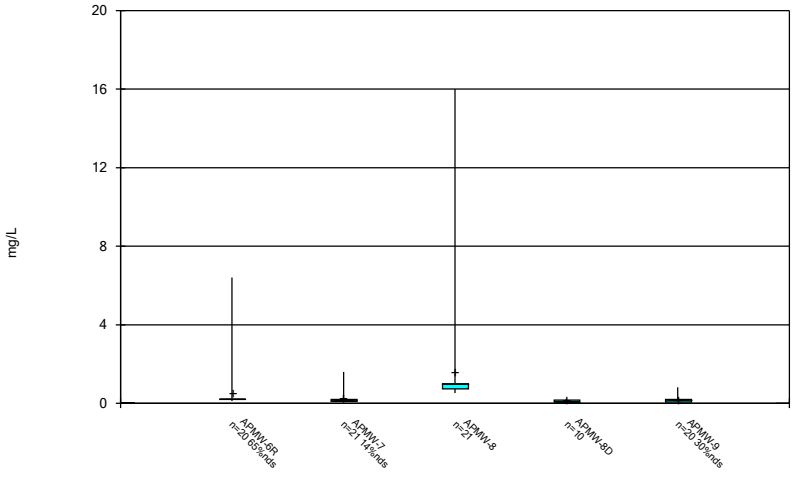
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

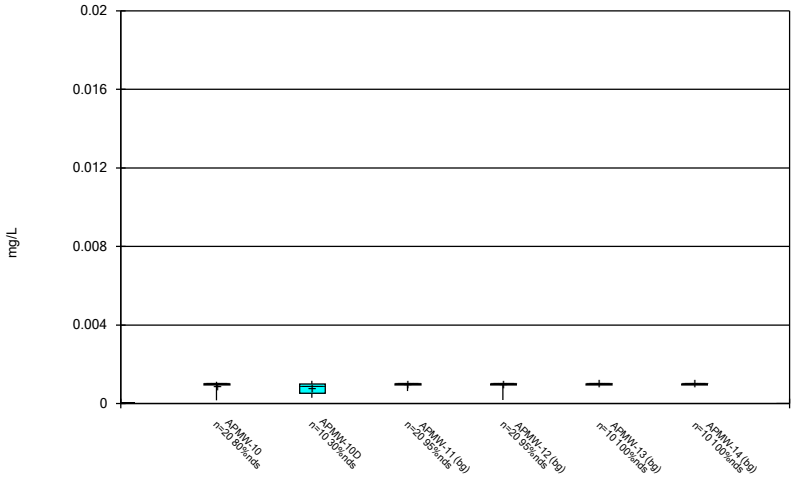
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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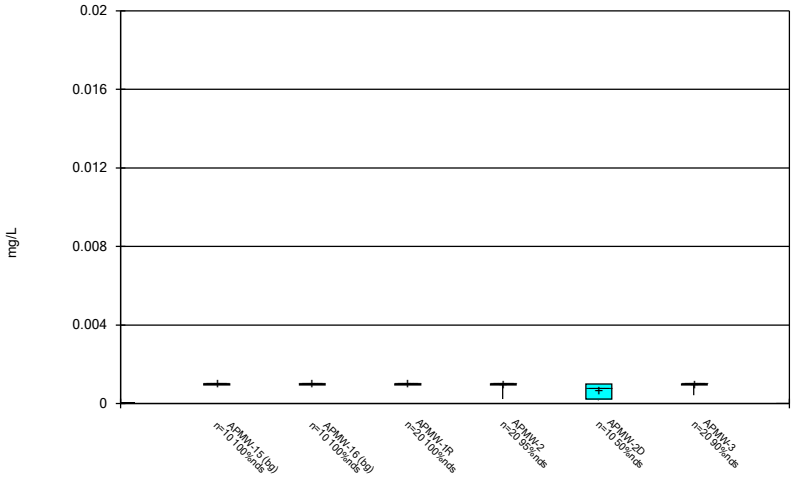
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

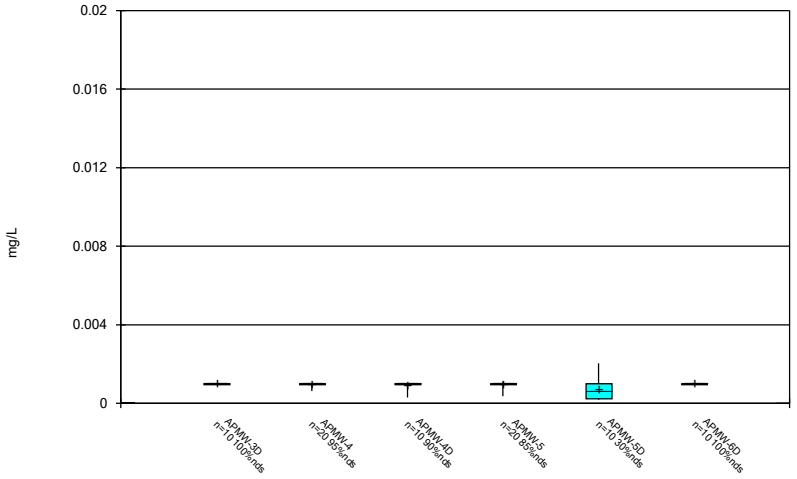
Box & Whiskers Plot



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Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

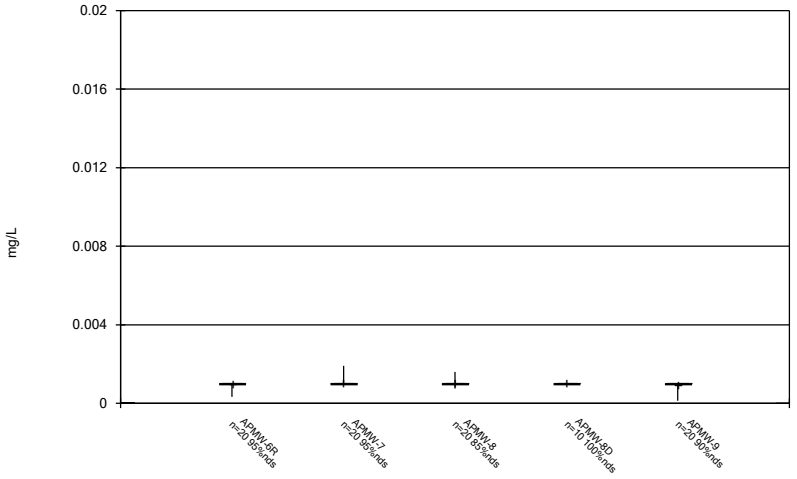
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

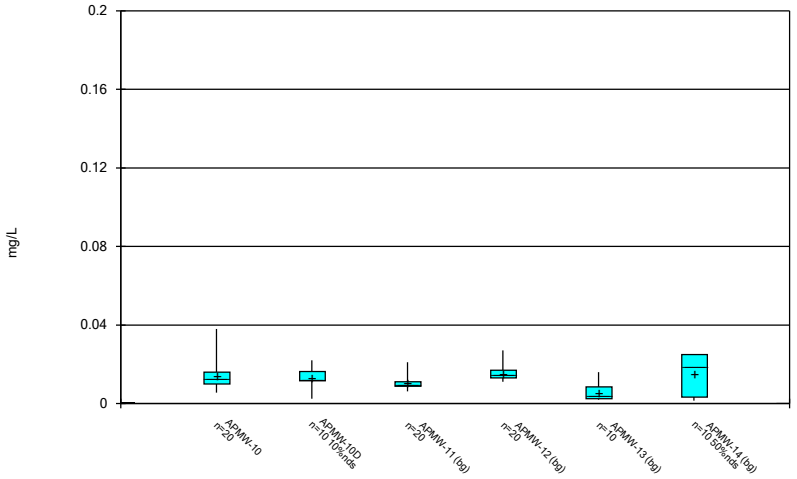
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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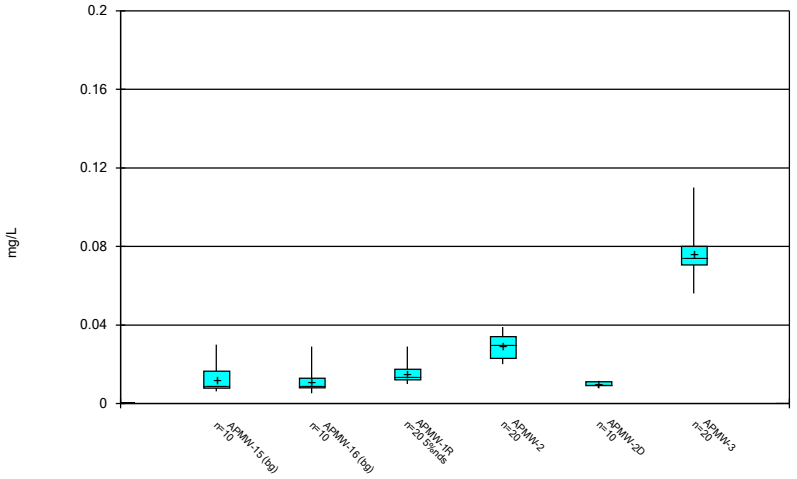
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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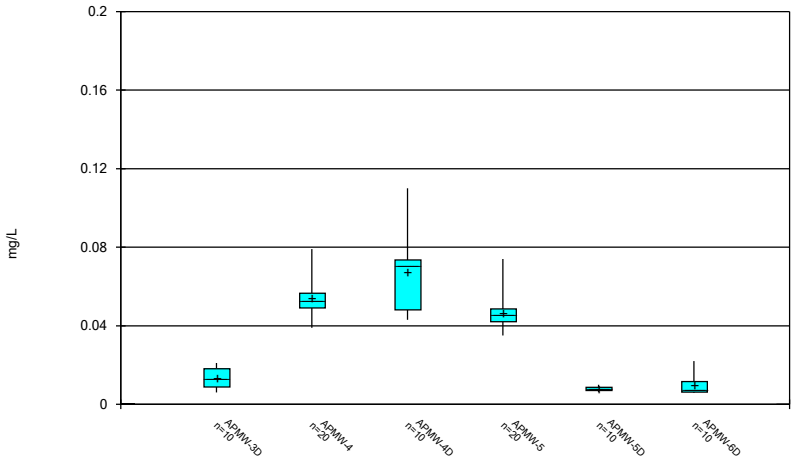
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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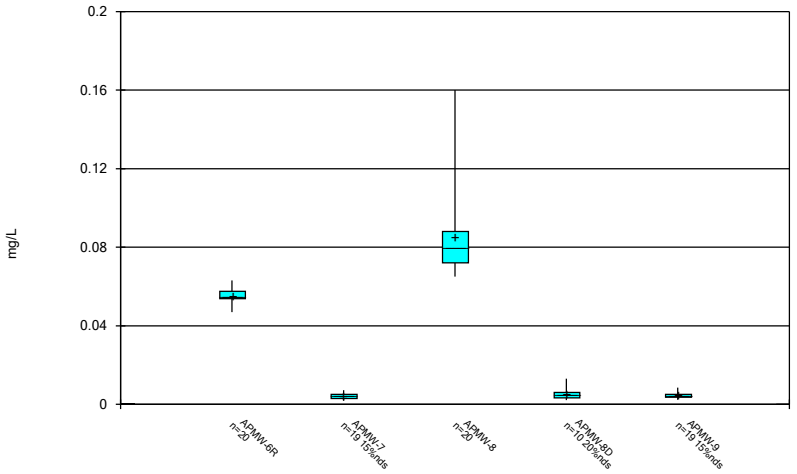
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

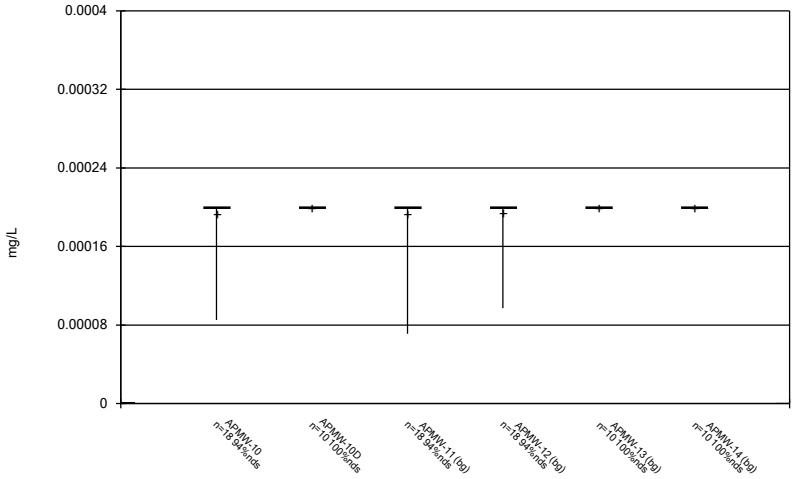
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

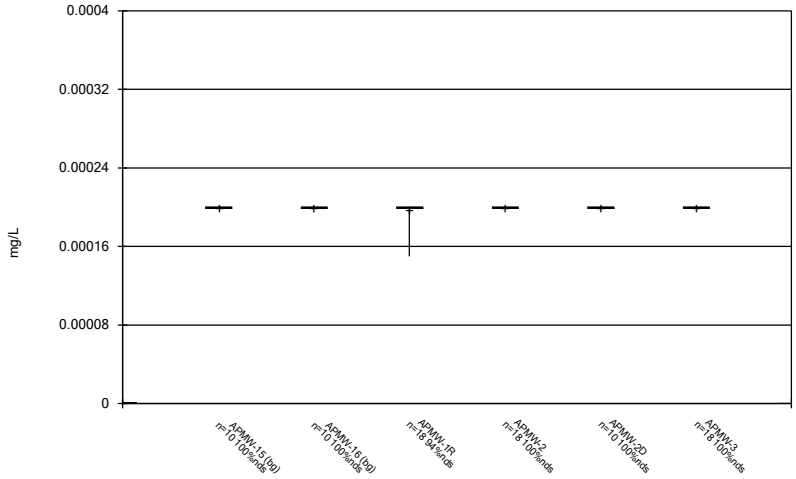
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

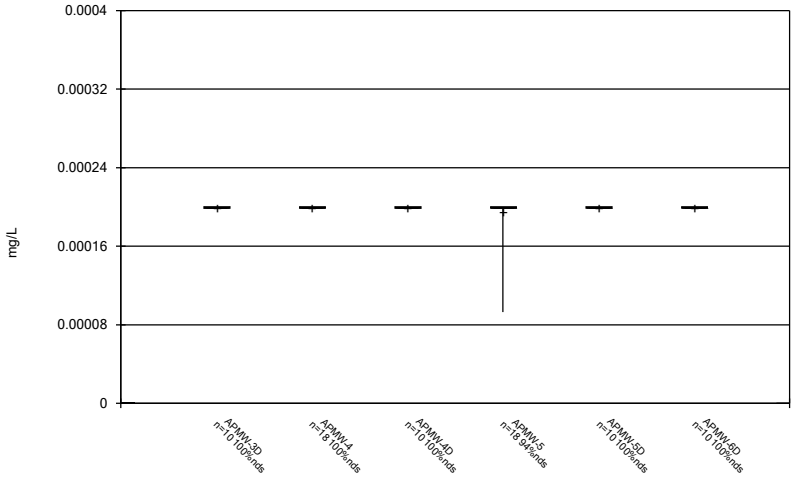
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

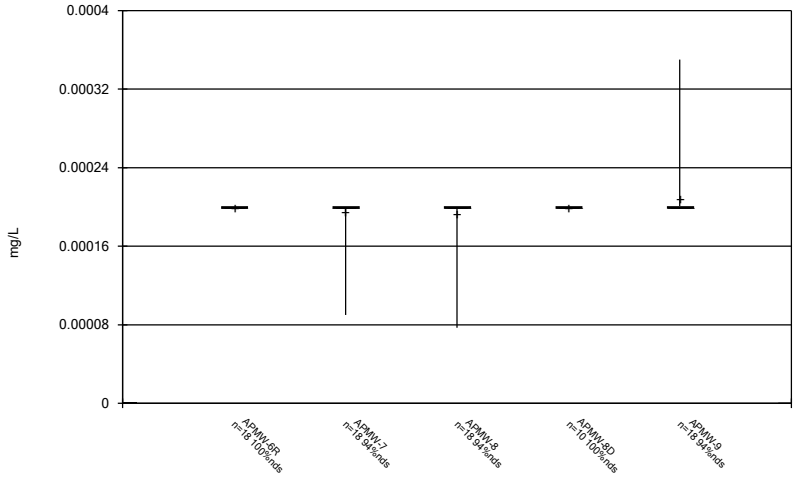
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

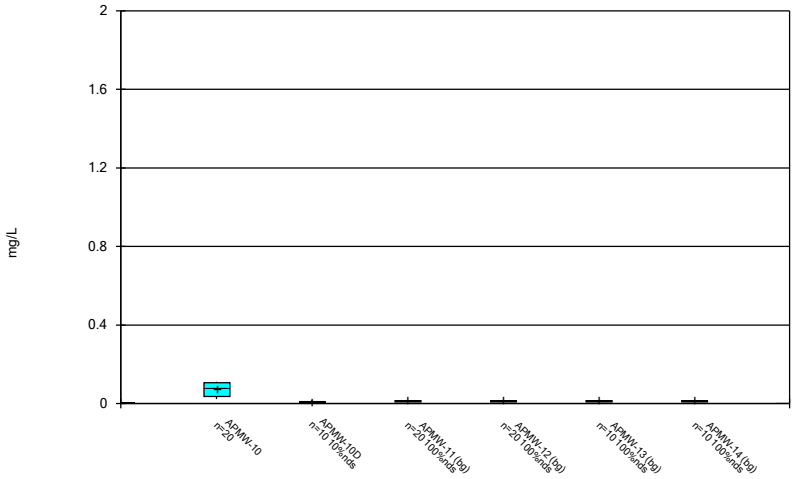
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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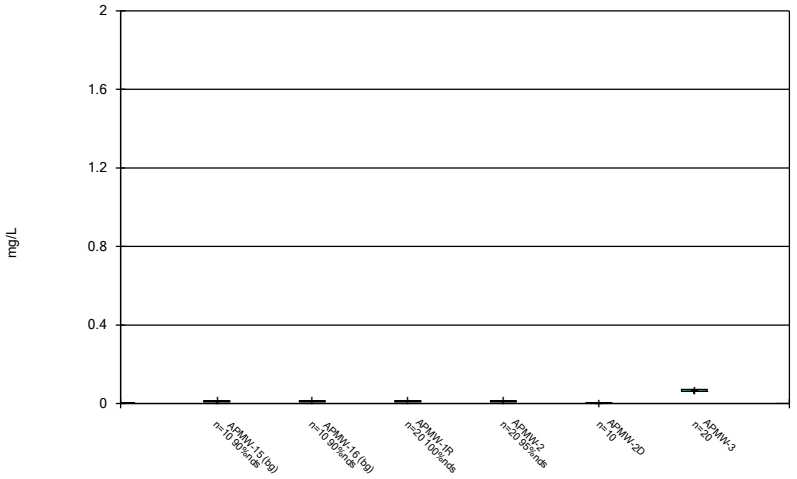
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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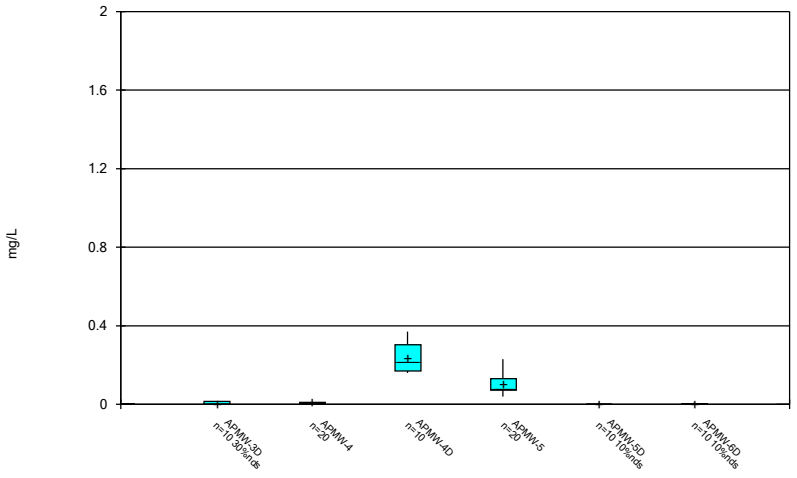
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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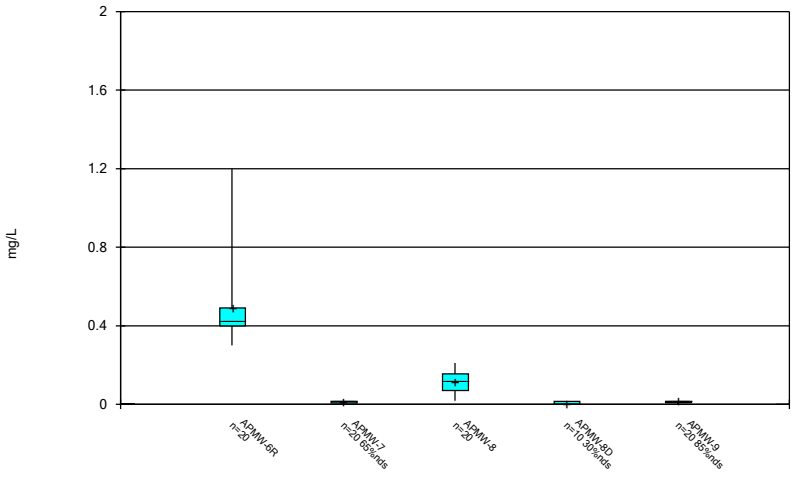
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

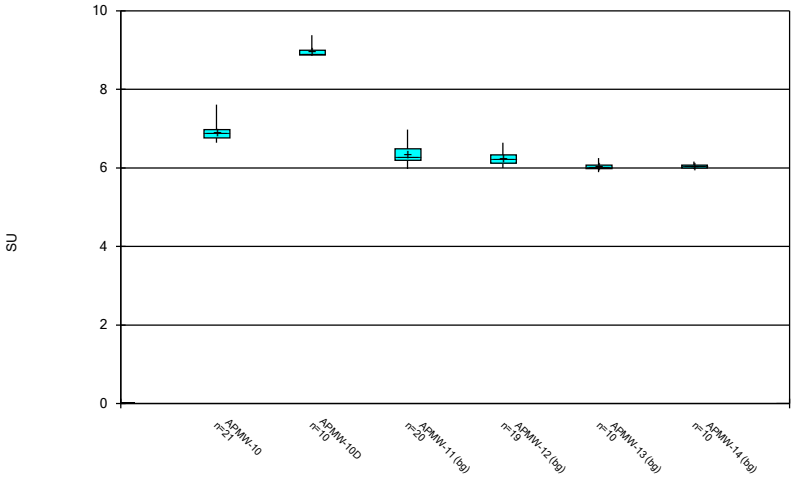
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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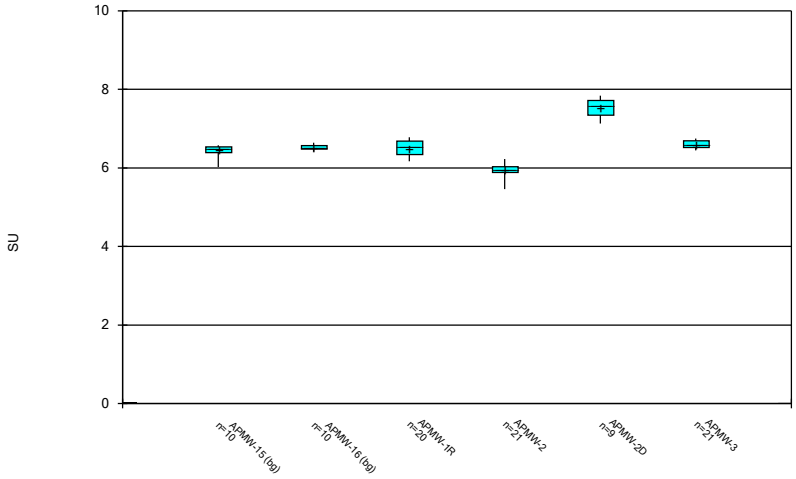
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

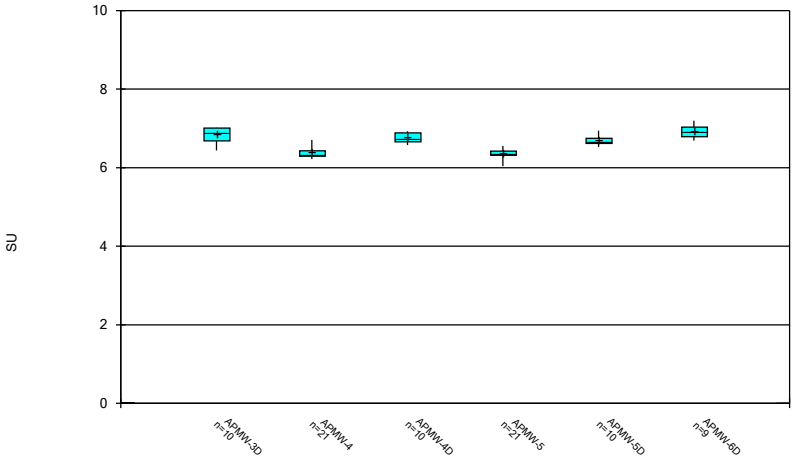
Box & Whiskers Plot



Constituent: pH Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

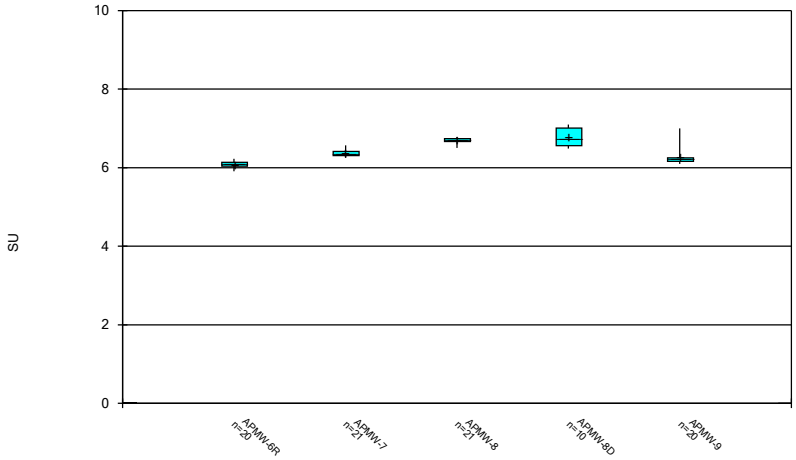
Box & Whiskers Plot



Constituent: pH Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

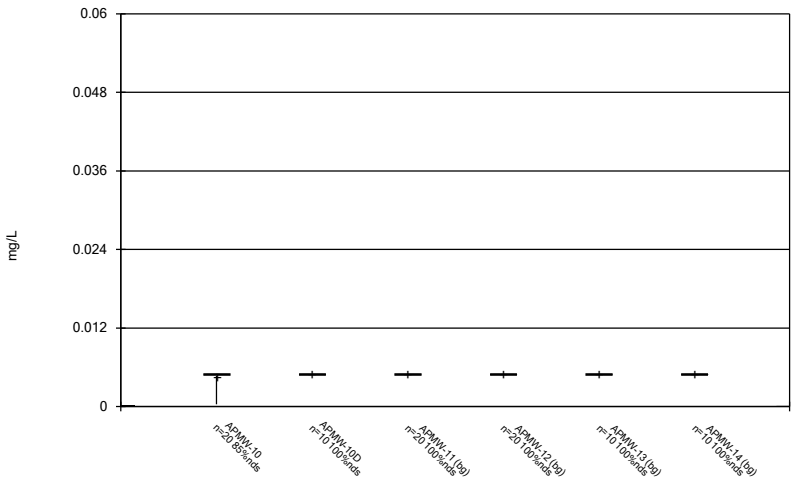
Box & Whiskers Plot



Constituent: pH Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

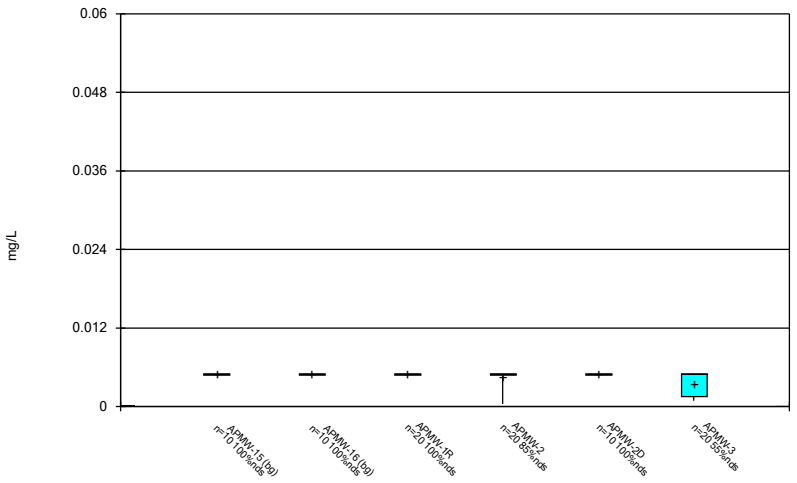
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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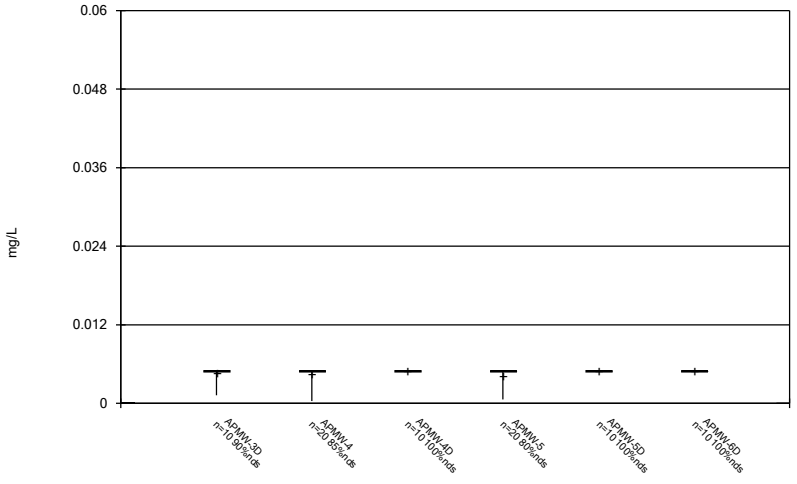
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2024 4:10 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

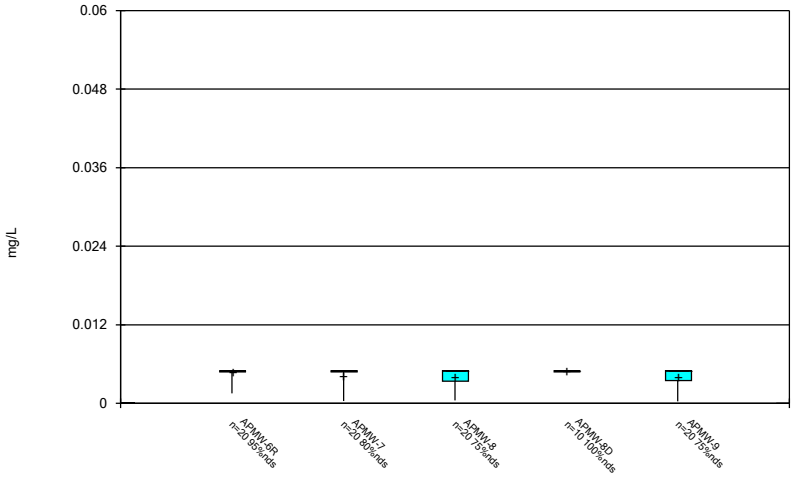
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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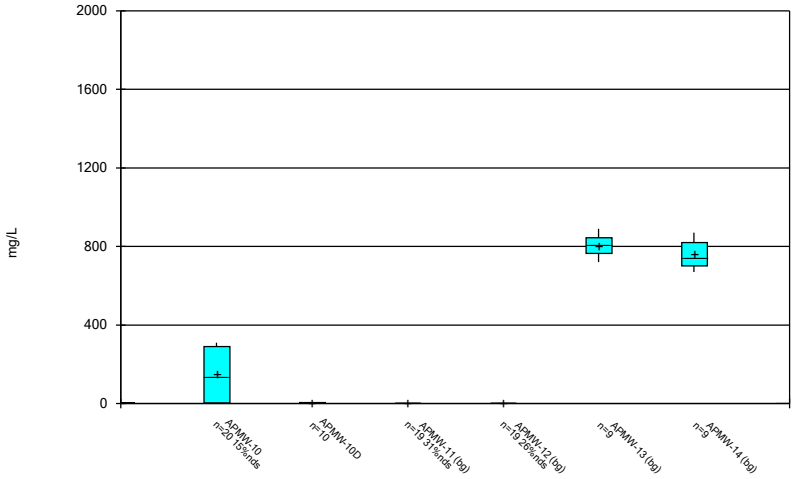
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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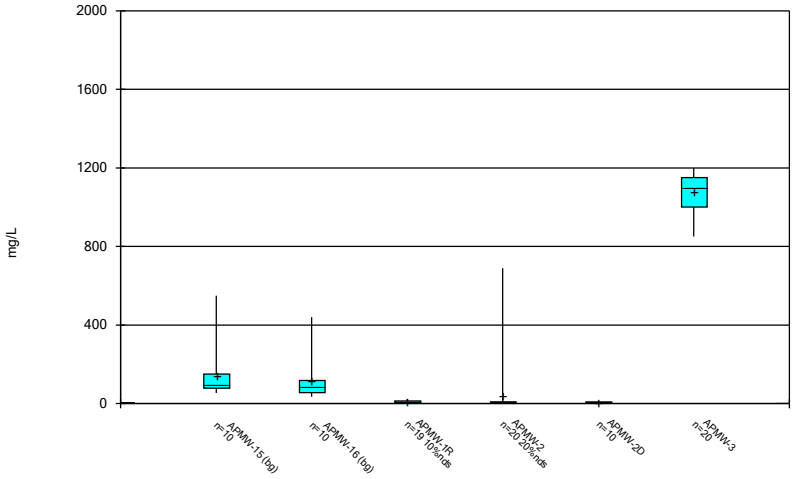
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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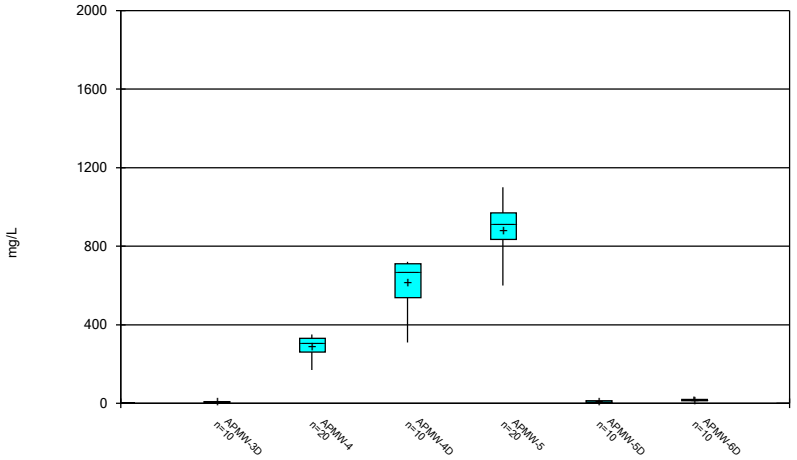
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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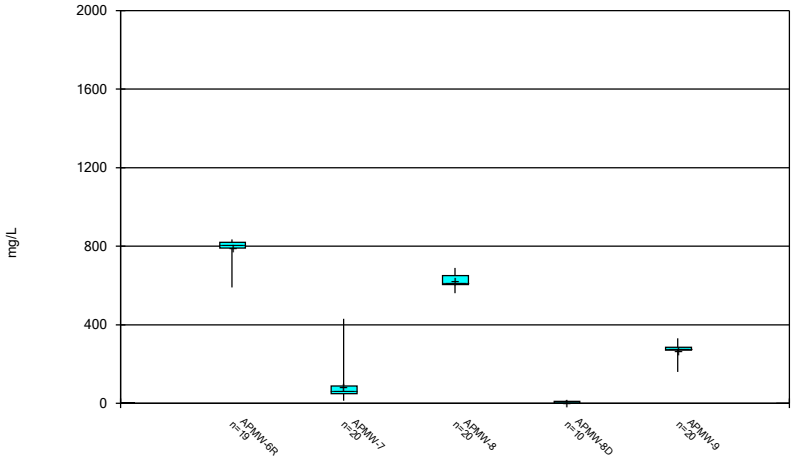
Box & Whiskers Plot



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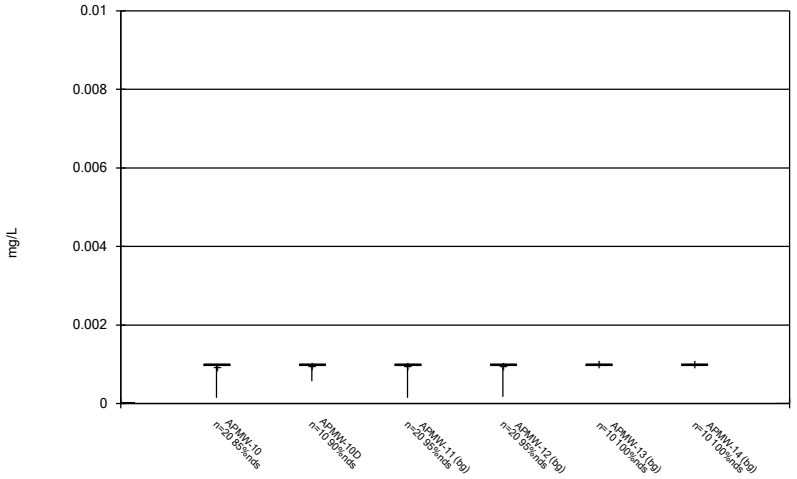
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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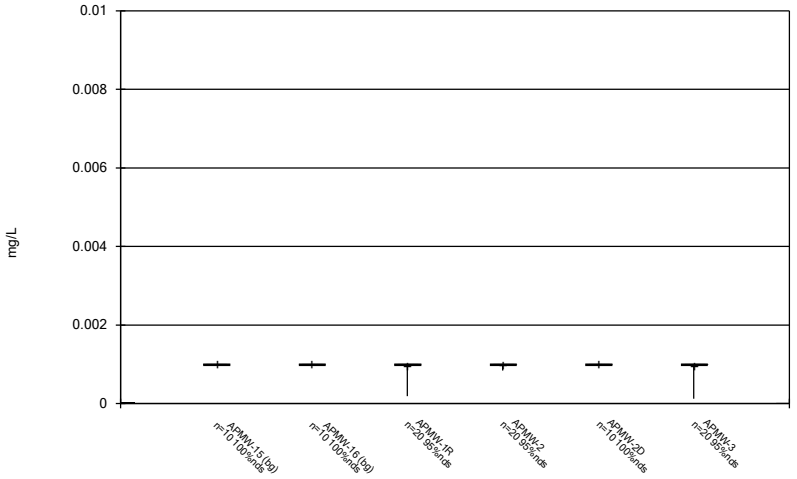
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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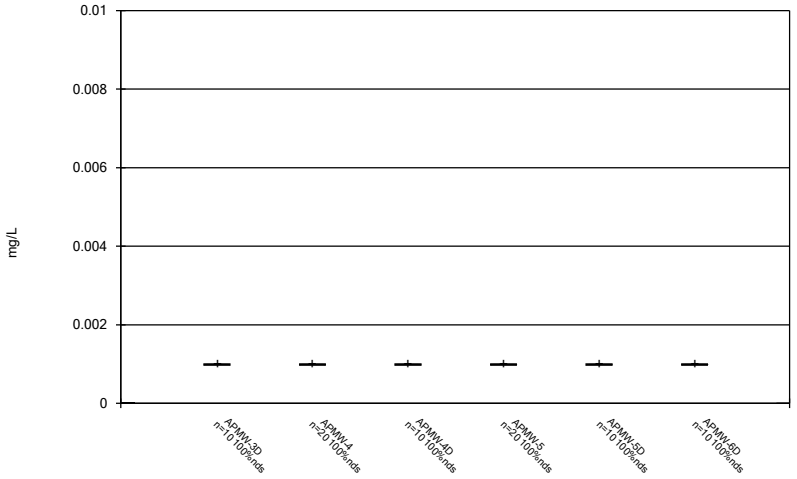
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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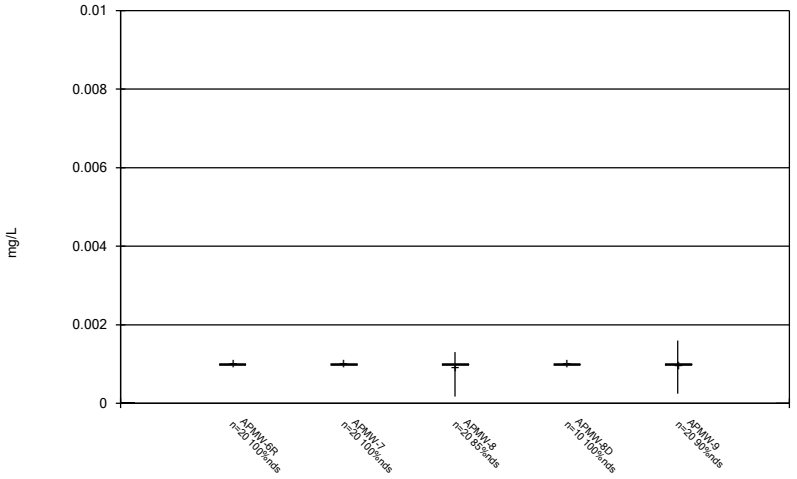
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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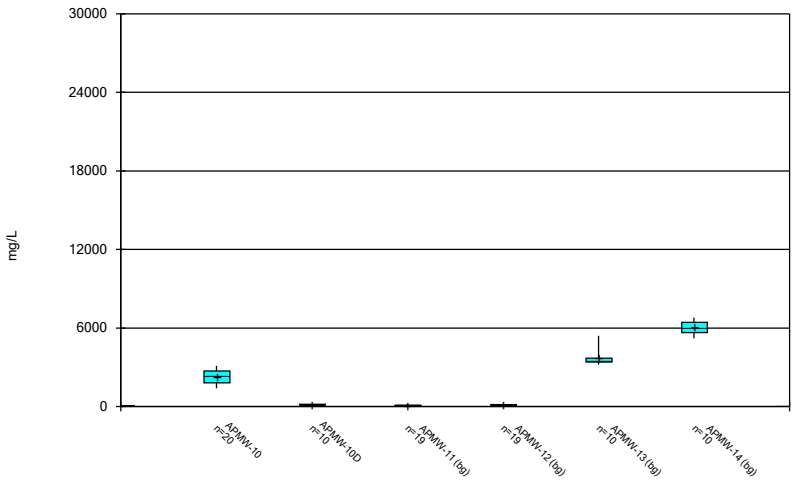
Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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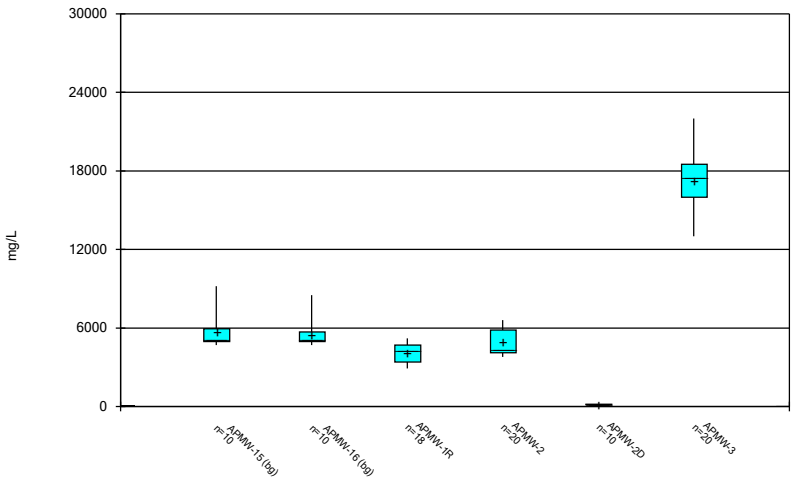
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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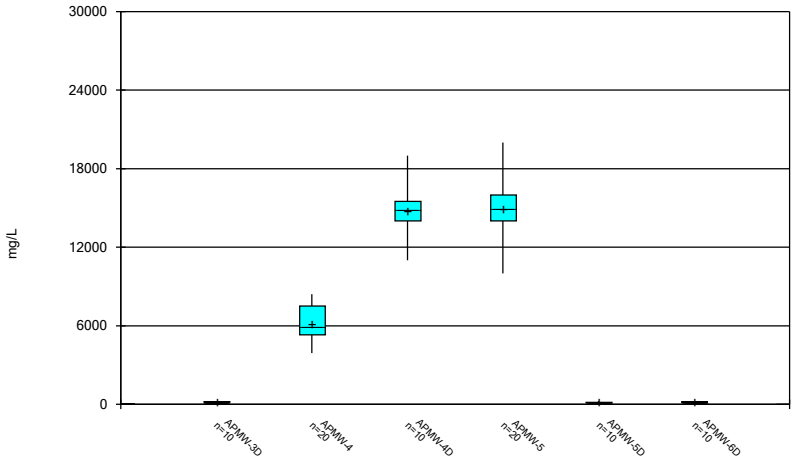
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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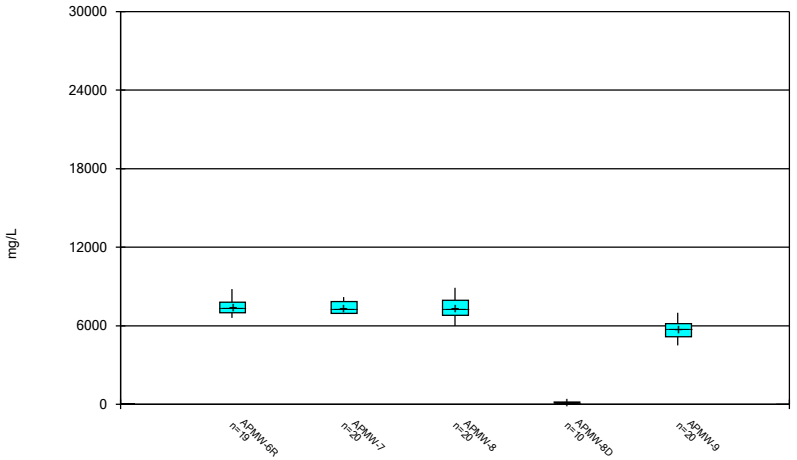
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2024 4:11 PM View: Desc.
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE C.

Outlier Summary

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 4:09 PM

	APMW-2 Fluoride (mg/L)	APMW-5 Fluoride (mg/L)	APMW-9 Fluoride (mg/L)	APMW-7 Lithium (mg/L)	APMW-9 Lithium (mg/L)	APMW-13 Sulfate (mg/L)	APMW-14 Sulfate (mg/L)
11/1/2018				0.018 (o)			
11/2/2018				0.014 (o)			
12/6/2018		1.4 (o)	0.21 (o)				
12/7/2018	4.3 (o)						
11/4/2020					1700 (o)		
10/14/2024						1100 (o)	

FIGURE D.

Interwell Prediction Limits - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-1R	1.2	n/a	10/16/2024	5.6	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	10/16/2024	2.8	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	10/17/2024	13	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	10/17/2024	18	Yes	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	150	n/a	10/16/2024	210	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	150	n/a	10/16/2024	330	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	150	n/a	10/17/2024	260	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	150	n/a	10/17/2024	250	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	150	n/a	10/17/2024	320	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	150	n/a	10/17/2024	440	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	150	n/a	10/16/2024	250	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	10/17/2024	8400	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	10/17/2024	6500	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	10/16/2024	0.66	Yes	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	APMW-2	6.98	5.89	10/16/2024	5.84	Yes	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-3	890	n/a	10/17/2024	1000	Yes	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	10/17/2024	16000	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	10/17/2024	10000	Yes	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	10/16/2024	2.2J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**10/16/2024**	**5.6**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**10/16/2024**	**2.8**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-3	1.2	n/a	10/17/2024	4.3J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-4	1.2	n/a	10/17/2024	1	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	10/17/2024	3.2J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**10/17/2024**	**13**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	10/17/2024	1	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**10/17/2024**	**18**	**Yes**	**78**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-9	1.2	n/a	10/16/2024	7.3J	No	78	n/a	n/a	19.23	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-10	150	n/a	10/16/2024	38	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**10/16/2024**	**210**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**10/16/2024**	**330**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**10/17/2024**	**260**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	150	n/a	10/17/2024	110	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**10/17/2024**	**250**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**10/17/2024**	**320**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	150	n/a	10/17/2024	88	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**10/17/2024**	**440**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**10/16/2024**	**250**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	10/16/2024	510	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	10/16/2024	2200	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	10/16/2024	2300	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**10/17/2024**	**8400**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	10/17/2024	2100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**10/17/2024**	**6500**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	10/17/2024	3400	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	10/17/2024	3800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	10/17/2024	3500	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	10/16/2024	2800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**10/16/2024**	**0.66**	**Yes**	**80**	**n/a**	**n/a**	**20**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	10/16/2024	0.15J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	10/16/2024	0.13J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	10/17/2024	0.38J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	10/17/2024	0.37J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	10/17/2024	0.27J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	10/17/2024	0.14J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	10/17/2024	0.17J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	10/17/2024	0.82J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	10/16/2024	0.14J	No	80	n/a	n/a	20	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.98	5.89	10/16/2024	6.98	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-1R	6.98	5.89	10/16/2024	6.17	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	**APMW-2**	**6.98**	**5.89**	**10/16/2024**	**5.84**	**Yes**	**79**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0006118**	**NP Inter (normality) 1 of 2**
pH (SU)	APMW-3	6.98	5.89	10/17/2024	6.59	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-4	6.98	5.89	10/17/2024	6.24	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-5	6.98	5.89	10/17/2024	6.36	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-6R	6.98	5.89	10/17/2024	6.23	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-7	6.98	5.89	10/17/2024	6.51	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-8	6.98	5.89	10/17/2024	6.67	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
pH (SU)	APMW-9	6.98	5.89	10/16/2024	6.47	No	79	n/a	n/a	0	n/a	n/a	0.0006118	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-10	890	n/a	10/16/2024	0.5ND	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	890	n/a	10/16/2024	8.8	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	890	n/a	10/16/2024	8.8	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**890**	**n/a**	**10/17/2024**	**1000**	**Yes**	**76**	**n/a**	**n/a**	**14.47**	**n/a**	**n/a**	**0.0003321**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	890	n/a	10/17/2024	190	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 1:05 PM

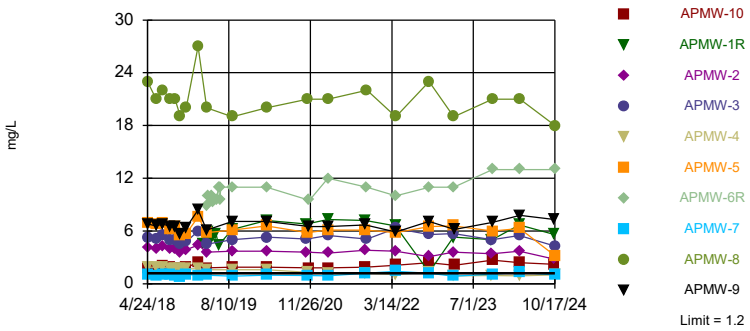
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	APMW-5	890	n/a	10/17/2024	600	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	890	n/a	10/17/2024	820	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	890	n/a	10/17/2024	45	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	890	n/a	10/17/2024	610	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	890	n/a	10/16/2024	160	No	76	n/a	n/a	14.47	n/a	n/a	0.0003321	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	10/16/2024	1400	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	10/16/2024	4500	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	10/16/2024	4100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**10/17/2024**	**16000**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	10/17/2024	3900	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**10/17/2024**	**10000**	**Yes**	**78**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003146**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	10/17/2024	6800	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	10/17/2024	7000	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	10/17/2024	7100	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	10/16/2024	5200	No	78	n/a	n/a	0	n/a	n/a	0.0003146	NP Inter (normality) 1 of 2

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Exceeds Limit: APMW-1R, APMW-2, APMW-6R, APMW-8

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. 19.23% NDs. Annual per-constituent alpha = 0.006274. Individual comparison alpha = 0.0003146 (1 of 2). Comparing 10 points to limit.

Constituent: Boron Analysis Run 12/6/2024 1:03 PM View: Appendix III

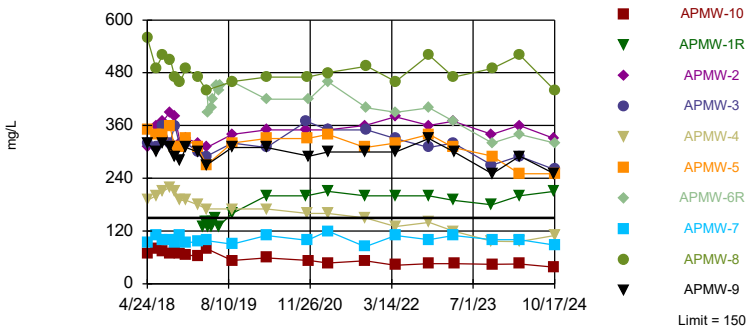
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Exceeds Limit: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. Annual per-constituent alpha = 0.006274. Individual comparison alpha = 0.0003146 (1 of 2). Comparing 10 points to limit.

Constituent: Calcium Analysis Run 12/6/2024 1:03 PM View: Appendix III

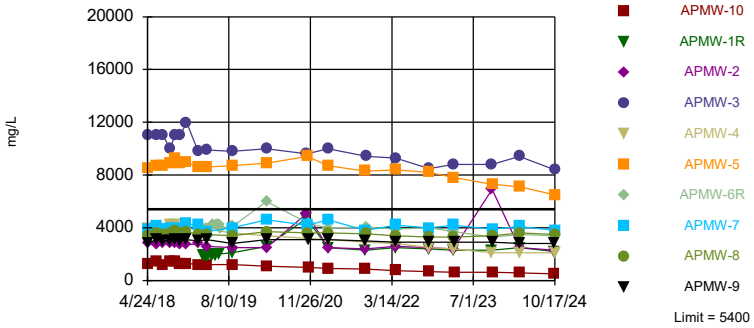
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. Annual per-constituent alpha = 0.006274. Individual comparison alpha = 0.0003146 (1 of 2). Comparing 10 points to limit.

Constituent: Chloride Analysis Run 12/6/2024 1:03 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

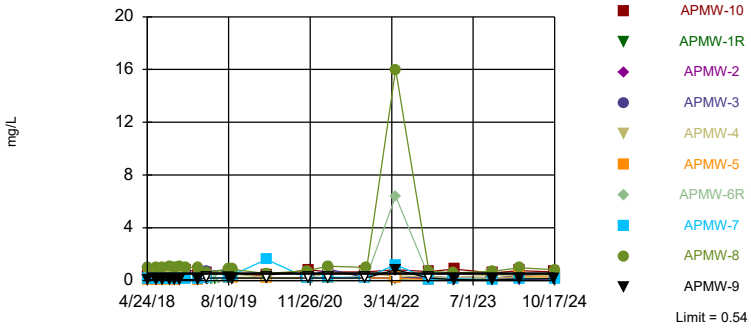
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Hollow symbols indicate censored values.

Exceeds Limit: APMW-10

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 20% NDs. Annual per-constituent alpha = 0.005926. Individual comparison alpha = 0.0002971 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 12/6/2024 1:03 PM View: Appendix III

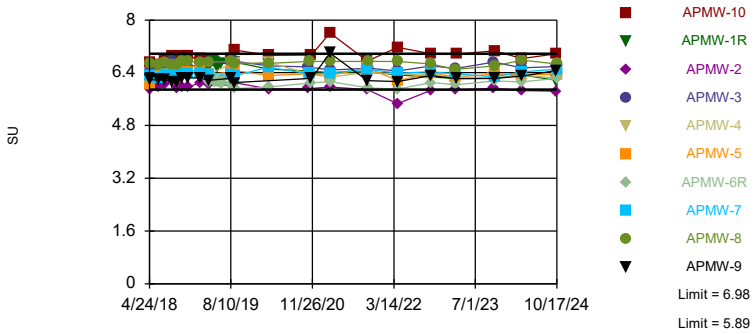
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Exceeds Limits: APMW-2

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 79 background values. Annual per-constituent alpha = 0.0122. Individual comparison alpha = 0.0006118 (1 of 2). Comparing 10 points to limit.

Constituent: pH Analysis Run 12/6/2024 1:03 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

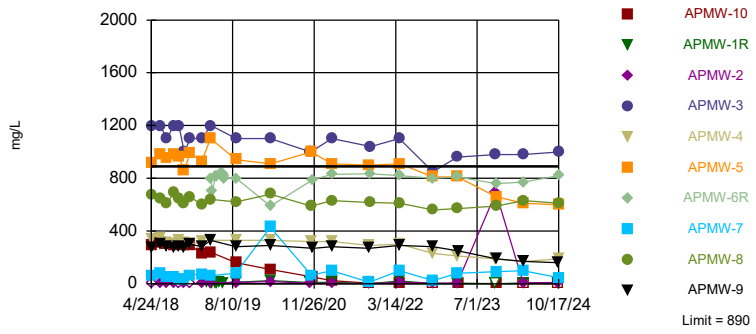
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Hollow symbols indicate censored values.

Exceeds Limit: APMW-3

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 76 background values. 14.47% NDs. Annual per-constituent alpha = 0.006622. Individual comparison alpha = 0.0003321 (1 of 2). Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 12/6/2024 1:03 PM View: Appendix III

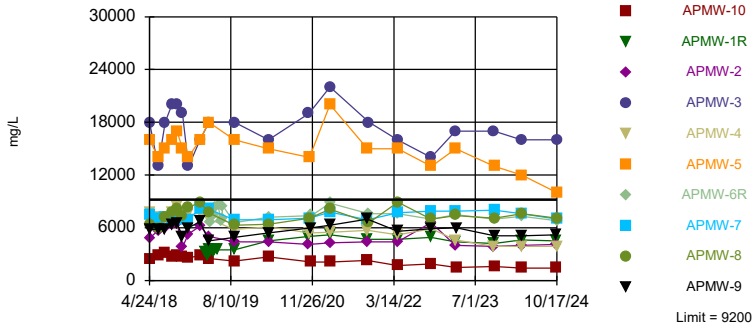
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. Annual per-constituent alpha = 0.006274. Individual comparison alpha = 0.0003146 (1 of 2). Comparing 10 points to limit.

Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:03 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/24/2018	5.3	1.9	4.1						
4/25/2018				6.8	23	1	6.9	1.7	
6/13/2018				6.6				1.7	
6/14/2018	5.1	1.9	4		21	0.91	6.8		
7/23/2018				6.8	22			2	
7/24/2018	5.5	1.9	4.3			1	6.9		
9/1/2018	4.9	1.7	4				6.2	1.9	
9/6/2018				6.5	21	1.1			
10/1/2018	5	1.7	4						
10/2/2018				6.5	21	0.95	6.5	1.8	
11/1/2018				5.6	19			1.8	
11/2/2018	4.6	1.7	3.5			0.82	5.5		
12/6/2018		1.7		6.4	20	1.1	5.7	1.9	
12/7/2018	4.8		3.9						
2/13/2019	6	1.7	4.4	8.4	27	0.95	7.6	2.4	
3/16/2019									4.5
3/27/2019									5.2
4/3/2019									5.3
4/4/2019				6.1	20	0.98	5.8	1.8	
4/5/2019	4.5	1.6	3.6						
4/15/2019									5.9
4/16/2019									
5/2/2019									5.3
5/3/2019									
5/14/2019									5.5
5/28/2019									5.7
5/29/2019									
6/12/2019									4.4
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	5	1.6	3.7	7.1	19	0.88	6.1	1.9	6.2
3/16/2020	5.3	1.6	3.7						7.2
3/17/2020				7.1	20	0.98	6.6	1.9	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									6.8
11/5/2020	5.1		3.6						
11/9/2020		1.3			21		5.8		
11/10/2020						0.94			
11/20/2020				6.5				1.8	
3/8/2021			3.5	6.5				1.8	7.3
3/9/2021	5.5	1.2			21	0.91	6.1		
3/10/2021									
10/11/2021									
10/12/2021			3.8	6.7		1.2	6.1	1.9	7.2
10/14/2021		1.2							
10/15/2021									
10/20/2021									
10/21/2021	5.1				22				
4/4/2022									6.6

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/5/2022	6.3		3.7					2.1	
4/6/2022		1.1		5.9	19	1.4	5.8		
4/7/2022									
10/17/2022			3.1						1.3
10/18/2022	5.6			7.1	23	1.2		2.4	
10/19/2022		1.3					6.5		
3/7/2023									
3/8/2023	5.7	0.89	3.6						5.3
3/9/2023					19	0.87	6.6		
3/10/2023									
3/13/2023				6.2				2.1	
3/14/2023									
10/18/2023									
10/19/2023	5	0.93	3.4						5
10/20/2023				7	21	1.1	6		
10/21/2023								2.7	
3/25/2024	5.5		3.7						6.7
3/26/2024		0.92				1.3	6.3		
3/28/2024				7.8	21				
3/29/2024								2.4	
10/14/2024									
10/16/2024			2.8	7.3 (J)				2.2 (J)	5.6
10/17/2024	4.3 (J)	1			18	1	3.2 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.035 (J)	0.028 (J)					
3/27/2019	0.033 (JD)	0.027 (JD)					
4/3/2019	0.023 (JD)	0.089 (D)					
4/4/2019							
4/5/2019			8.9 (D)				
4/15/2019			10				
4/16/2019	<0.08	<0.08					
5/2/2019			10				
5/3/2019	0.021 (J)	<0.08					
5/14/2019	<0.08	<0.08	9.3				
5/28/2019							
5/29/2019	0.044 (J)	0.034 (J)	9.5				
6/12/2019	0.047 (J)	0.05 (J)	11				
6/19/2019			9.5				
6/25/2019			11				
8/29/2019	<0.08	<0.08					
8/30/2019			11				
3/16/2020							
3/17/2020	0.057 (J)	0.057 (J)	11				
7/21/2020				0.58	0.609	0.718	
7/30/2020							0.62
11/3/2020					1.2		
11/4/2020				0.88		0.85	1.2
11/5/2020							
11/9/2020		<0.08					
11/10/2020							
11/20/2020	0.098		9.5				
3/8/2021				0.63	0.59	0.71	0.6
3/9/2021			12				
3/10/2021	0.046 (J)	<0.08					
10/11/2021	0.045 (J)	0.053 (J)					
10/12/2021							
10/14/2021							
10/15/2021						0.78	0.77
10/20/2021			11	0.64	0.65		
10/21/2021							
4/4/2022	0.082	0.11					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			10	0.61	0.61	0.71	0.58
10/17/2022	<0.08	<0.08					
10/18/2022							
10/19/2022			11	0.66	0.73	0.75	0.71
3/7/2023		<0.08					
3/8/2023							
3/9/2023			11				
3/10/2023				0.66	0.66	0.69	0.67
3/13/2023							
3/14/2023	<0.08						
10/18/2023				0.62	0.72	0.77	0.71
10/19/2023							
10/20/2023			13				
10/21/2023	0.047 (J)	0.056 (J)					
3/25/2024							
3/26/2024			13				
3/28/2024					0.86	0.84	1
3/29/2024	<0.08	<0.08		0.54			
10/14/2024				0.69	0.7	0.78	0.74
10/16/2024	0.046 (J)	0.026 (J)					
10/17/2024			13				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/24/2018	320	190	310						
4/25/2018				320	560	93	350	68	
6/13/2018				300				79	
6/14/2018	310	200	360		490	110	340		
7/23/2018				320	520			73	
7/24/2018	360	210	370			100	340		
9/1/2018	320	220	390				360	68	
9/6/2018				310	510	98			
10/1/2018	360	210	380						
10/2/2018				290	470	93	310	71	
11/1/2018				280	460			67	
11/2/2018	310	190	320			110	310		
12/6/2018		190		310	490	94	330	65	
12/7/2018	320		330						
2/13/2019	300	180	320	300	470	95	310	64	
3/16/2019									130
3/27/2019									140
4/3/2019									140
4/4/2019				270	440	98	270	80	
4/5/2019	290	170	310						
4/15/2019									130
4/16/2019									
5/2/2019									130
5/3/2019									
5/14/2019									140
5/28/2019									150
5/29/2019									
6/12/2019									130
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	320	170	340	310	460	90	320	53	160
3/16/2020	310	170	350						200
3/17/2020				310	470	110	330	59	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									200
11/5/2020	370		350						
11/9/2020		160			470		330		
11/10/2020						99			
11/20/2020				290				53	
3/8/2021			350	300				47	210
3/9/2021	350	160			480	120	340		
3/10/2021									
10/11/2021									
10/12/2021			360	300		84	310	52	200
10/14/2021		150							
10/15/2021									
10/20/2021									
10/21/2021	350 (D)				495 (D)				
4/4/2022									200

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/5/2022	330		380					42	
4/6/2022		130		300	460	110	320		
4/7/2022									
10/17/2022			360						200
10/18/2022	310			330	520	100		46	
10/19/2022		140					340		
3/7/2023									
3/8/2023	320	120	370						190
3/9/2023					470	110	310		
3/10/2023									
3/13/2023				300				46	
3/14/2023									
10/18/2023									
10/19/2023	270	97	340						180
10/20/2023				250	490	100	290		
10/21/2023								44	
3/25/2024	290		360						200
3/26/2024		96				100	250		
3/28/2024				290	520				
3/29/2024								45	
10/14/2024									
10/16/2024			330	250				38	210
10/17/2024	260	110			440	88	250		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	13	17					
3/27/2019	15 (D)	16 (D)					
4/3/2019	13 (D)	15 (D)					
4/4/2019							
4/5/2019			440 (D)				
4/15/2019			390				
4/16/2019	12	13					
5/2/2019			400				
5/3/2019	13	12					
5/14/2019	13	14	420				
5/28/2019							
5/29/2019	15	7	450				
6/12/2019	14	13	440				
6/19/2019			450				
6/25/2019			450				
8/29/2019	12	9.4					
8/30/2019			460				
3/16/2020							
3/17/2020	12	9.8	420				
7/21/2020				97.7	81.7	127	
7/30/2020							99.2
11/3/2020					120		
11/4/2020				110		120	130
11/5/2020							
11/9/2020		11					
11/10/2020							
11/20/2020	12		420				
3/8/2021				92	69	110	69
3/9/2021			460				
3/10/2021	12	12					
10/11/2021	12	11					
10/12/2021							
10/14/2021							
10/15/2021						110	75
10/20/2021			400 (D)	97	68 (D)		
10/21/2021							
4/4/2022	12	11					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			390	96	64	110	67
10/17/2022	10	9.5					
10/18/2022							
10/19/2022			400	100	65	110	82
3/7/2023		9.7					
3/8/2023							
3/9/2023			370				
3/10/2023				91	60	110	57
3/13/2023							
3/14/2023	12						
10/18/2023				87	61	130	73
10/19/2023							
10/20/2023			320				
10/21/2023	12	10					
3/25/2024							
3/26/2024			340				
3/28/2024					58	130	75
3/29/2024	13	13		100			
10/14/2024				100	74	150	70
10/16/2024	14	12					
10/17/2024			320				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/24/2018	11000	4000	2800						
4/25/2018				2800	3400	3900	8500	1300	
6/13/2018				3100				1400	
6/14/2018	11000	4000	2700		3600	4100	8700		
7/23/2018				3000	3500			1200	
7/24/2018	11000	3900	2800			3900	8700		
9/1/2018	10000	4200	2800				8900	1400	
9/6/2018				3000	3600	4000			
10/1/2018	11000	4200	2800						
10/2/2018				3100	3800	4000	9300	1400	
11/1/2018				3000	3600			1300	
11/2/2018	11000	4000	2700			3800	8900		
12/6/2018		4000		3100	3700	4300	9000	1300	
12/7/2018	12000		2700						
2/13/2019	9800	3800	2800	3000	3500	4200	8600	1200	
3/16/2019									1900
3/27/2019									1900
4/3/2019									1900
4/4/2019				3100	3500	3700	8600	1200	
4/5/2019	9900	3900	2600						
4/15/2019									1900
4/16/2019									
5/2/2019									1900
5/3/2019									
5/14/2019									2000
5/28/2019									1900
5/29/2019									
6/12/2019									2000
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	9800	3600	2500	2800	3400	4000	8700	1200	2100
3/16/2020	10000	3400	2500						2600
3/17/2020				3100	3700	4600	8900	1100	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									4700
11/5/2020	9600		5100						
11/9/2020		3200			3600		9400		
11/10/2020						4200			
11/20/2020				3100				1000	
3/8/2021			2500	3100				920	2500
3/9/2021	10000	3100			3600	4600	8700		
3/10/2021									
10/11/2021									
10/12/2021			2400	3000		3800	8300	860	2300
10/14/2021		2900							
10/15/2021									
10/20/2021									
10/21/2021	9400 (D)				3550 (D)				
4/4/2022									2500

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/5/2022	9300		2600					760	
4/6/2022		2800		2900	3400	4200	8400		
4/7/2022									
10/17/2022			2500						2400
10/18/2022	8500			2900	3300	4000		680	
10/19/2022		2500					8200		
3/7/2023									
3/8/2023	8800	2400	2400						2300
3/9/2023					3300	4200	7800		
3/10/2023									
3/13/2023				2900				620	
3/14/2023									
10/18/2023									
10/19/2023	8800	2100	6900						2300
10/20/2023				2900	3400	3900	7300		
10/21/2023								630	
3/25/2024	9400		2500						2500
3/26/2024		2100				4100	7100		
3/28/2024				2800	3600				
3/29/2024								570	
10/14/2024									
10/16/2024			2300	2800				510	2200
10/17/2024	8400	2100			3500	3800	6500		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	14	9.3					
3/27/2019	15 (D)	8.2 (D)					
4/3/2019	15 (D)	8.7 (D)					
4/4/2019							
4/5/2019			4000 (D)				
4/15/2019			3400				
4/16/2019	14	8.7					
5/2/2019			4100				
5/3/2019	15	9.3					
5/14/2019	15	8.8	4200				
5/28/2019							
5/29/2019	14	8.8	4200				
6/12/2019	15	8.8	4200				
6/19/2019			4000				
6/25/2019			4000				
8/29/2019	14	8.1					
8/30/2019			4100				
3/16/2020							
3/17/2020	14	8.2	6000				
7/21/2020				1470	2910	2920	
7/30/2020							2830
11/3/2020					4900		
11/4/2020				5400		3100	4700
11/5/2020							
11/9/2020		9.1					
11/10/2020							
11/20/2020	16		4300				
3/8/2021				1600	2900	3000	2600
3/9/2021			4000				
3/10/2021	15	8.9					
10/11/2021	15	8.9					
10/12/2021							
10/14/2021							
10/15/2021						2800	3100
10/20/2021			4050 (D)	3400	4100 (D)		
10/21/2021							
4/4/2022	14	8.4					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			3900	1400	3000	2900	3100
10/17/2022	13	7.5					
10/18/2022							
10/19/2022			4000	1400	2700	2900	3000
3/7/2023		7.7					
3/8/2023							
3/9/2023			3700				
3/10/2023				1300	2800	2700	2600
3/13/2023							
3/14/2023	14						
10/18/2023				1300	2900	3200	3200
10/19/2023							
10/20/2023			3300				
10/21/2023	13	9					
3/25/2024							
3/26/2024			3500				
3/28/2024					2800	3000	2900
3/29/2024	13	8.7		1400			
10/14/2024				1300	2900	2600	2800
10/16/2024	14	8.8					
10/17/2024			3400				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-1R
4/24/2018	0.52	0.33	0.06 (J)						
4/25/2018				0.69	0.06 (J)	1	0.11	0.09 (J)	
6/13/2018				0.64	0.06 (J)				
6/14/2018	0.51	0.37	0.06 (J)			1	0.12	0.09 (J)	
7/23/2018				0.76	0.06 (J)	1			
7/24/2018	0.52	0.42	0.07 (J)				0.12	0.09 (J)	
9/1/2018	0.54	0.45	0.08 (J)	0.81				0.1	
9/6/2018					0.06 (J)	1.1	0.13		
10/1/2018	0.54	0.39	0.07 (J)						
10/2/2018				0.78	0.07 (J)	1	0.13	0.09 (J)	
11/1/2018				0.88	0.07 (J)	1.1			
11/2/2018	0.58	0.42	0.08 (J)				0.14	0.11	
12/6/2018	0.51			0.75	0.21 (o)	0.98	0.13	1.4 (o)	
12/7/2018		0.64	4.3 (o)						
2/13/2019	0.48	0.35	0.05 (J)	0.72	0.07 (J)	0.98	0.1	0.07 (J)	
3/16/2019									<0.2
3/27/2019									<0.2
4/3/2019									<0.2
4/4/2019				0.63	<0.2	0.58 (J)	<0.2	<0.2	
4/5/2019	0.31 (J)	0.7 (J)	0.14 (J)						
4/15/2019									0.14 (J)
4/16/2019									
5/2/2019									0.13 (J)
5/3/2019									
5/14/2019									<0.2
5/28/2019									0.16 (J)
5/29/2019									
6/12/2019									<0.2
6/19/2019									
6/25/2019									
8/8/2019		0.8 (J)	0.19 (J)	0.58	0.2 (J)				0.21 (J)
8/9/2019	0.51					0.9 (J)	0.22 (J)	<0.2	
8/29/2019									
8/30/2019	0.54 (J)	<0.2	0.17 (J)	0.5	0.18 (J)	0.85 (J)	0.41 (J)	<0.2	0.21 (J)
3/16/2020	<0.2	<0.2	<0.2						<0.2
3/17/2020				0.38	<0.2	0.52 (J)	1.6	<0.2	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									<0.2
11/5/2020		<0.2	<0.2						
11/9/2020	<0.2					0.74 (J)		<0.2	
11/10/2020							<0.2		
11/20/2020				0.81	<0.2				
3/8/2021			<0.2	0.66	<0.2				<0.2
3/9/2021	0.55 (J)	0.87 (J)				1.1 (J)	0.26 (J)	<0.2	
3/10/2021									
10/11/2021									
10/12/2021			0.22 (J)	0.66	<0.2		<0.2	<0.2	0.27 (J)
10/14/2021	0.5 (J)								
10/15/2021									
10/20/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-1R
10/21/2021		<0.2				1 (J)			
4/4/2022									0.13 (J)
4/5/2022		<0.2	<0.2	0.82					
4/6/2022	0.36 (J)				0.82 (J)	16	1.2 (J)	<0.2	
4/7/2022									
10/17/2022			<0.2						<0.2
10/18/2022		0.32 (J)		0.68	<0.2	0.73	0.084 (J)		
10/19/2022	0.29							0.065 (J)	
3/7/2023									
3/8/2023	0.25	0.19 (J)	0.068 (J)						0.086 (J)
3/9/2023						0.59	0.14 (J)	0.12 (J)	
3/10/2023									
3/13/2023				0.87	0.081 (J)				
3/14/2023									
10/18/2023									
10/19/2023	0.41	0.17 (J)	<0.2						0.12 (J)
10/20/2023					0.057 (J)	0.7	0.026 (J)	<0.2	
10/21/2023				0.58					
3/25/2024		0.39 (J)	0.082 (J)						0.16 (J)
3/26/2024	0.44 (J)						0.13 (J)	0.28 (J)	
3/28/2024					0.13 (J)	0.97 (J)			
3/29/2024				0.75					
10/14/2024									
10/16/2024			0.13 (J)	0.66	0.14 (J)				0.15 (J)
10/17/2024	0.37 (J)	0.38 (J)				0.82 (J)	0.17 (J)	0.27 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.041 (J)	0.047 (J)					
3/27/2019	0.49 (D)	<0.2 (D)					
4/3/2019	0.086 (JD)	<0.2 (D)					
4/4/2019							
4/5/2019			<0.2 (D)				
4/15/2019			<0.2				
4/16/2019	0.055 (J)	0.034 (J)					
5/2/2019			<0.2				
5/3/2019	0.058 (J)	0.042 (J)					
5/14/2019	0.071 (J)	0.039 (J)	<0.2				
5/28/2019							
5/29/2019	0.042 (J)	<0.2	<0.2				
6/12/2019	0.037 (J)	<0.2	<0.2				
6/19/2019			<0.2				
6/25/2019			0.32 (J)				
8/8/2019	0.072 (J)	0.051 (J)					
8/9/2019			<0.2				
8/29/2019	0.065 (J)	0.061 (J)					
8/30/2019			0.27 (J)				
3/16/2020							
3/17/2020	0.036 (J)	<0.2	<0.2				
7/21/2020				0.09 (J)	0.07 (J)	0.17	
7/30/2020							0.19
11/3/2020						<0.2	
11/4/2020				0.24 (J)	<0.2		<0.2
11/5/2020							
11/9/2020		<0.2					
11/10/2020							
11/20/2020	<0.2		<0.2				
3/8/2021				0.17 (J)	<0.2	0.41 (J)	0.28 (J)
3/9/2021			<0.2				
3/10/2021	0.052 (J)	0.056 (J)					
10/11/2021	0.079 (J)	0.041 (J)					
10/12/2021							
10/14/2021							
10/15/2021					0.19 (J)		0.44 (J)
10/20/2021			0.29 (J)	0.14 (J)		0.25 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	0.051 (J)	0.062 (J)					
4/5/2022							
4/6/2022							
4/7/2022			6.4	0.39 (J)	<0.2	0.25 (J)	0.54 (J)
10/17/2022	<0.2	<0.2					
10/18/2022							
10/19/2022			0.22	0.034 (J)	<0.2	0.13 (J)	0.094 (J)
3/7/2023		0.051 (J)					
3/8/2023							
3/9/2023			0.11 (J)				
3/10/2023				0.064 (J)	0.094 (J)	0.19 (J)	0.18 (J)
3/13/2023							
3/14/2023	0.045 (J)						
10/18/2023				0.11 (J)	0.076 (J)	0.12 (J)	0.15 (J)
10/19/2023							
10/20/2023			<0.2				
10/21/2023	0.048 (J)	0.048 (J)					
3/25/2024							
3/26/2024			<0.2				
3/28/2024					<0.2	0.29 (J)	0.36 (J)
3/29/2024	0.07 (J)	0.049 (J)		0.16 (J)			
10/14/2024				0.15 (J)	0.24 (J)	0.28 (J)	0.34 (J)
10/16/2024	0.071 (J)	0.066 (J)					
10/17/2024			0.14 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-1R
4/24/2018	6.31	6.46	5.89						
4/25/2018				6.7	6.19	6.69	6.31	6.04	
6/13/2018				6.64	6.18				
6/14/2018	6.28	6.5	5.96			6.66	6.25	6.29	
7/23/2018				6.76	6.19	6.7			
7/24/2018	6.34	6.6	6.03				6.34	6.35	
9/1/2018	6.33	6.74	6.23	6.9				6.38	
9/6/2018					6.13	6.66	6.29		
10/1/2018	6.36	6.51	5.94						
10/2/2018				6.77	6.13	6.63	6.28	6.47	
11/1/2018				6.89	6.25	6.75			
11/2/2018	6.43	6.55	5.98				6.4	6.42	
12/6/2018	6.43			6.89	6.25	6.75	6.4	6.42	
12/7/2018		6.55	5.98						
2/13/2019	6.48	6.69	6.09	6.81	6.24	6.7	6.37	6.42	
3/16/2019									6.67
3/27/2019									6.59
4/3/2019									6.56
4/4/2019				6.74	6.17	6.72	6.33	6.35	
4/5/2019	6.33	6.7	6.03						
4/15/2019									6.68
4/16/2019									
5/2/2019									6.78
5/3/2019									
5/14/2019									6.7
5/28/2019									6.56
5/29/2019									
6/12/2019									6.69
6/19/2019									
6/25/2019									
8/8/2019		6.7	6.03	6.84	6.23				6.68
8/9/2019	6.69					6.74	6.34	6.42	
8/29/2019									
8/30/2019	6.68	6.75	6.1	7.09	6.1	6.68	6.31	6.47	6.72
3/16/2020	6.71	6.61	5.91						6.51
3/17/2020				6.93		6.69	6.57	6.32	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									6.45
11/5/2020		6.58	5.92						
11/9/2020	6.37					6.74		6.37	
11/10/2020							6.37		
11/20/2020				6.94	6.23				
3/8/2021			5.97	7.61	7				6.4
3/9/2021	6.27	6.48				6.74	6.39	6.32	
3/10/2021									
10/11/2021									
10/12/2021			5.89	6.75	6.16		6.51	6.55	6.43
10/14/2021	6.41								
10/15/2021									
10/20/2021									

Prediction Limit

Constituent: pH (SU) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-1R
10/21/2021		6.54				6.74			
4/4/2022									6.34
4/5/2022		6.45	5.46	7.17					
4/6/2022	6.37				6.13	6.74	6.38	6.16	
4/7/2022									
10/17/2022			5.87						6.27
10/18/2022		6.61		6.98	6.32	6.67	6.43		
10/19/2022	6.32							6.38	
3/7/2023									
3/8/2023	6.26	6.53	5.88						6.23
3/9/2023						6.5	6.37	6.28	
3/10/2023									
3/13/2023				6.97	6.22				
3/14/2023									
10/18/2023									
10/19/2023	6.22	6.72	5.93						6.23
10/20/2023					6.23	6.61	6.28	6.36	
10/21/2023				7.06					
3/25/2024		6.55	5.86						6.34
3/26/2024	6.33						6.42	6.34	
3/28/2024					6.3	6.78			
3/29/2024				6.83					
10/14/2024									
10/16/2024			5.84	6.98	6.47				6.17
10/17/2024	6.24	6.59				6.67	6.51	6.36	

Prediction Limit

Constituent: pH (SU) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	6.97	6.44					
3/27/2019	6.7	6.38					
4/3/2019	6.45	6.19					
4/4/2019							
4/5/2019			6.12				
4/15/2019			6.14				
4/16/2019	6.52	6.3					
5/2/2019			6.19				
5/3/2019	6.37	6.33					
5/14/2019	6.57	6.64	6.12				
5/28/2019							
5/29/2019	6.31	6.6	6.11				
6/12/2019	6.41	6.31	6.09				
6/19/2019			6.1				
6/25/2019			6.18				
8/8/2019	6.29	6.12					
8/9/2019			6.03				
8/29/2019	6.2	6.24					
8/30/2019			5.92				
3/16/2020							
3/17/2020	6.2	6.2	5.97				
7/21/2020				6.01	6.08	6.51	
7/30/2020							6.48
11/3/2020						6.51	
11/4/2020				6.01	6.03		6.58
11/5/2020							
11/9/2020	6.21						
11/10/2020							
11/20/2020		6.31	6.09				
3/8/2021				5.97	5.99	6.41	6.48
3/9/2021			6.13				
3/10/2021	6.29						
10/11/2021	6.13	6.08					
10/12/2021							
10/14/2021							
10/15/2021					5.97		6.55
10/20/2021			5.94	5.89		6.54	

Prediction Limit

Constituent: pH (SU) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	5.97	6					
4/5/2022							
4/6/2022							
4/7/2022			5.91	6.07	6.07	6.53	6.55
10/17/2022	6.19	6.12					
10/18/2022							
10/19/2022			6.1	6.08	6.07	6.58	6.64
3/7/2023	6.17						
3/8/2023							
3/9/2023			6.04				
3/10/2023				6	6	6.48	6.5
3/13/2023							
3/14/2023		6.11					
10/18/2023				6.07	6.16	6.48	6.51
10/19/2023							
10/20/2023			6.15				
10/21/2023	6.26	6.22					
3/25/2024							
3/26/2024			6.12				
3/28/2024					6.06	6.37	6.41
3/29/2024	6.11	6.11		6.01			
10/14/2024				6.25	6.05	6.02	6.54
10/16/2024	6.98	6.29					
10/17/2024			6.23				

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/24/2018	340	1200	<1						
4/25/2018				290	270	670	65	920	
6/13/2018				310	300				
6/14/2018	350	1200	7.2			650	81	980	
7/23/2018				300	280	610			
7/24/2018	310	1100	2.7 (J)				52	950	
9/1/2018	300	1200	1.5 (J)	290				980	
9/6/2018					270	690	53		
10/1/2018	330	1200	<1						
10/2/2018				300	280	650	34	960	
11/1/2018				290	270	610			
11/2/2018	310	1000	1.9 (J)				35	860	
12/6/2018	300			290	300	660	65	990	
12/7/2018		1100	<1						
2/13/2019	320	1100	1.5 (J)	230	280	600	74	930	
3/16/2019									3.6
3/27/2019									0.81 (JD)
4/3/2019									1.1 (D)
4/4/2019				240	330	640	61	1100	
4/5/2019	330	1200	7						
4/15/2019									
4/16/2019									0.68 (J)
5/2/2019									
5/3/2019									1.1
5/14/2019									1.3
5/28/2019									
5/29/2019									2.1
6/12/2019									1.9
6/19/2019									
6/25/2019									
8/29/2019									2.3
8/30/2019	330	1100	8.4	160	280	620	83	940	
3/16/2020	330	1100	16						
3/17/2020				110	290	680	430	910	3.7
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020		1000	4.4 (J)						
11/9/2020	320					590		1000	0.51 (J)
11/10/2020							64		
11/20/2020				50	270				
3/8/2021			5.7	24	280				
3/9/2021	320	1100				630	100	910	
3/10/2021									<1
10/11/2021									<1
10/12/2021			<1	4	270		13	900	
10/14/2021	290								
10/15/2021									
10/20/2021									
10/21/2021		1040 (D)				615 (D)			
4/4/2022									0.91 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/5/2022		1100	11	7.5					
4/6/2022	300				290	610	98	910	
4/7/2022									
10/17/2022			5.6						<1
10/18/2022		850		<1	280	560	25		
10/19/2022	230							810	
3/7/2023									0.82 (J)
3/8/2023	210	960	5.6						
3/9/2023						570	79	810	
3/10/2023									
3/13/2023				2.5	250				
3/14/2023									
10/18/2023									
10/19/2023	190	980	690						
10/20/2023					190	590	93	660	
10/21/2023				2.4 (J)					<1
3/25/2024		980	6						
3/26/2024	170						100	610	
3/28/2024					170	630			
3/29/2024				<1					<1
10/14/2024									
10/16/2024			8.8	<1	160				<1
10/17/2024	190	1000				610	45	600	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.88 (J)	14					
3/27/2019	1.3 (D)	19					
4/3/2019	1.9 (D)	4.6 (J)					
4/4/2019							
4/5/2019			800 (D)				
4/15/2019		8.6	700				
4/16/2019	2.5						
5/2/2019		6	810				
5/3/2019	1.3						
5/14/2019	2.2	5.8	810				
5/28/2019		9.4					
5/29/2019	1.2		830				
6/12/2019	1.1	8.8	830				
6/19/2019			810				
6/25/2019			800				
8/29/2019	1.1						
8/30/2019		13	800				
3/16/2020		23					
3/17/2020	3.2		590				
7/21/2020				52.9	802	713	
7/30/2020							33.4
11/3/2020				550			
11/4/2020		10			1700 (o)	670	440
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020	0.79 (J)		790				
3/8/2021		12		97	720	740	72
3/9/2021			830				
3/10/2021	1.1						
10/11/2021	<1						
10/12/2021		<1					
10/14/2021							
10/15/2021						730	55
10/20/2021			835 (D)	91.5 (D)	840		
10/21/2021							
4/4/2022	1.3	21					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			820	160	810	810	140
10/17/2022	<1	1.2					
10/18/2022							
10/19/2022			800	76	810	830	57
3/7/2023							
3/8/2023		5					
3/9/2023			810				
3/10/2023				88	850	870	76
3/13/2023							
3/14/2023	<1						
10/18/2023				80	750	690	88
10/19/2023		<1					
10/20/2023			760				
10/21/2023	1						
3/25/2024		6.3					
3/26/2024			770				
3/28/2024				97		770	95
3/29/2024	<1				890		
10/14/2024				140	780	1100 (o)	88
10/16/2024	<1	8.8					
10/17/2024			820				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-12 (bg)
4/24/2018	7700	18000	4800						
4/25/2018				2500	5800	6400	7500	16000	
6/13/2018				2900	5800				
6/14/2018	7200	13000	5700			6000	7000	14000	
7/23/2018				3100	5800	7200			
7/24/2018	7000	18000	6000				7200	15000	
9/1/2018	7800	20000	6300	2700				16000	
9/6/2018					6300	7800	7000		
10/1/2018	8400	20000	6500						
10/2/2018				2900	6500	8200	7400	17000	
11/1/2018				2700	5000	7300			
11/2/2018	7600	19000	3800				6900	15000	
12/6/2018	7400			2600	6000	8300	6900	14000	
12/7/2018		13000	5300						
2/13/2019	7700	16000	6200	2800	6700	8900	8200	16000	
3/16/2019									150
3/27/2019									110 (D)
4/3/2019									150 (D)
4/4/2019				2500	4500	7700	8100	18000	
4/5/2019	7000	18000	5000						
4/15/2019									
4/16/2019									150
5/2/2019									
5/3/2019									130
5/14/2019									150
5/28/2019									
5/29/2019									180
6/12/2019									130
6/19/2019									
6/25/2019									
8/29/2019									110
8/30/2019	5800	18000	4400	2200	4900	6300	6900	16000	
3/16/2020	6100	16000	4400						
3/17/2020				2700	5400	6400	6900	15000	120
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020		19000	4100						
11/9/2020	5400					7100		14000	
11/10/2020							7100		
11/20/2020				2100	6000				160
3/8/2021			4300	2100	6300				
3/9/2021	5500	22000				8100	7800	20000	
3/10/2021									140
10/11/2021									120
10/12/2021			4400	2300	7000		6900	15000	
10/14/2021	5700								
10/15/2021									
10/20/2021									
10/21/2021		18000				6600			
4/4/2022									120

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-12 (bg)
4/5/2022		16000	4400	1700					
4/6/2022	5200				5600	8900	7700	15000	
4/7/2022									
10/17/2022			6600						120
10/18/2022		14000		1900	5900	7000	7900		
10/19/2022	5900							13000	
3/7/2023									
3/8/2023	4600	17000	4000						
3/9/2023						7400	7900	15000	
3/10/2023									
3/13/2023				1500	6000				
3/14/2023									120
10/18/2023									
10/19/2023	3900	17000	3900						
10/20/2023					5100	7100	8000	13000	
10/21/2023				1600					130
3/25/2024		16000	4000						
3/26/2024	3900						7600	12000	
3/28/2024					5100	7600			
3/29/2024				1400					120
10/14/2024									
10/16/2024			4100	1400	5200				110
10/17/2024	3900	16000				7100	7000	10000	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-13 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	120	3300					
3/27/2019	63 (D)	2900					
4/3/2019	100 (D)	3600					
4/4/2019							
4/5/2019			7800 (D)				
4/15/2019		3300	6600				
4/16/2019	110						
5/2/2019		3300	7400				
5/3/2019	91						
5/14/2019	120	3600	8300				
5/28/2019		3500					
5/29/2019	140		8600				
6/12/2019	100		6800				
6/19/2019			7100				
6/25/2019			8500				
8/29/2019	73						
8/30/2019		3500	6600				
3/16/2020		4500					
3/17/2020	95		7200				
7/21/2020				6350	3760	5400	
7/30/2020							5020
11/3/2020						9200	
11/4/2020		5000		6500	5400		8500
11/5/2020							
11/9/2020	68						
11/10/2020							
11/20/2020			7400				
3/8/2021		5200		6800	3600	6200	5100
3/9/2021			8800				
3/10/2021	89						
10/11/2021	80						
10/12/2021		4700					
10/14/2021							
10/15/2021				5700			5700
10/20/2021			7600		3400	5200	
10/21/2021							
4/4/2022	78	4700					

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2024 1:05 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-13 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			7600	6000	3400	5100	5100
10/17/2022	86	4900					
10/18/2022							
10/19/2022			7000	5900	3600	5700	5700
3/7/2023	86						
3/8/2023		4400					
3/9/2023			7500				
3/10/2023				5600	3600	5000	4700
3/13/2023							
3/14/2023							
10/18/2023				6200	3500	5000	5300
10/19/2023		4200					
10/20/2023			7000				
10/21/2023	73						
3/25/2024		4600					
3/26/2024			7300				
3/28/2024				6100		4900	5100
3/29/2024	87				3500		
10/14/2024				5200	3200	4700	4900
10/16/2024	74	4500					
10/17/2024			6800				

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-2**	**-0.1472**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.5345**	**97**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**14.28**	**96**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-364.2**	**-130**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-212.6**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.08768**	**-104**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-2**	**-0.02243**	**-89**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-31.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-216**	**-34**	**-30**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	9	74	No	19	47.37	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.00415	48	74	No	19	31.58	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	0.00653	2	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01424	5	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.03051	15	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0285	8	30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.2243	37	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1472**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.5345**	**97**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	-0.2148	-40	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.7644	-62	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-43	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.4986	-4	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0.8135	12	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.332	-25	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.033	-14	-30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**14.28**	**96**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	1.908	19	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-5.332	-49	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-8.207	-79	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-16.79	-66	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	-3.266	-26	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-4.029	-58	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.02083	-17	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1798	-53	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-83.21	-27	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-62.5	-11	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-17	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-81.56	-7	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-364.2**	**-130**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-212.6**	**-94**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	APMW-10	-0.009332	-18	-87	No	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	2	81	No	20	35	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.00009626	-2	-81	No	20	10	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.005547	-3	-30	No	10	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	9	30	No	10	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.01005	6	30	No	10	10	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.02616	5	30	No	10	10	n/a	n/a	0.01	NP
pH (SU)	**APMW-11 (bg)**	**-0.08768**	**-104**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.05133	-74	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.02032	15	30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.004986	2	30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.03265	-17	-30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	-0.003333	-3	-30	No	10	0	n/a	n/a	0.01	NP
pH (SU)	**APMW-2**	**-0.02243**	**-89**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	APMW-11 (bg)	-0.02237	-27	-74	No	19	31.58	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.05341	-62	-74	No	19	26.32	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	9.346	7	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	40.14	14	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	2.256	2	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	7.522	12	30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-31.17**	**-103**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.579	-59	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.942	-54	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-80.15	-22	-30	No	10	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

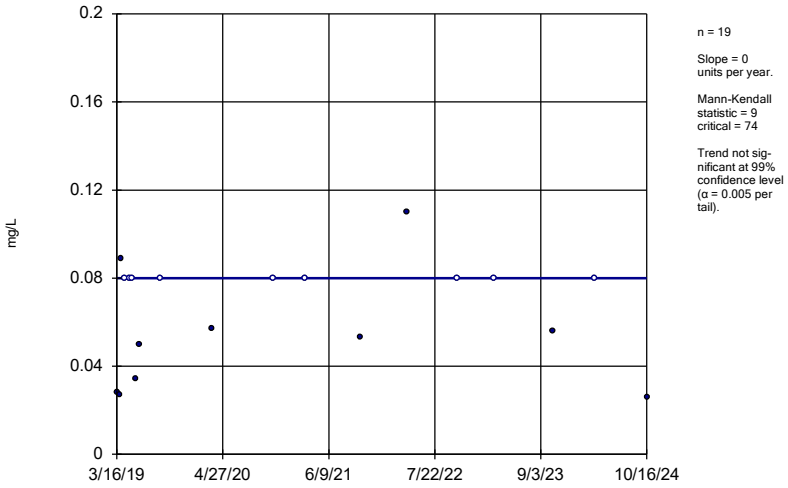
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 3:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-225.3	-19	-30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-216**	**-34**	**-30**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-122.6	-11	-30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-230.9	-34	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-461.2	-69	-81	No	20	0	n/a	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 74

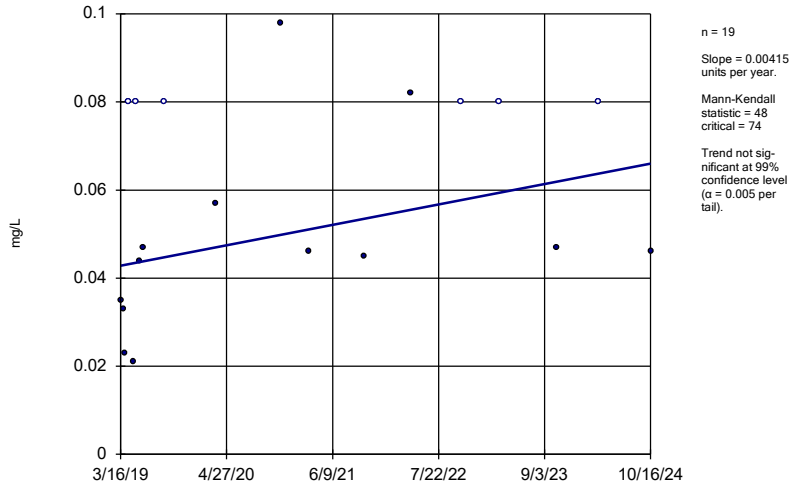
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = 0.00415 units per year.

Mann-Kendall statistic = 48
critical = 74

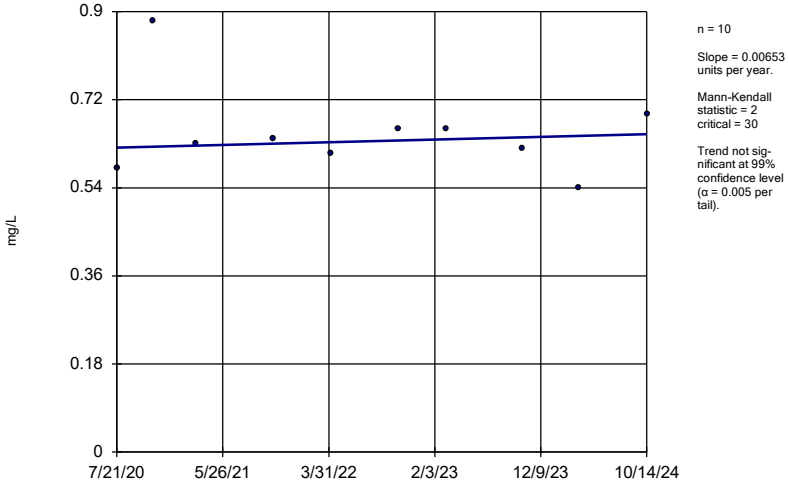
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = 0.00653 units per year.

Mann-Kendall statistic = 2
critical = 30

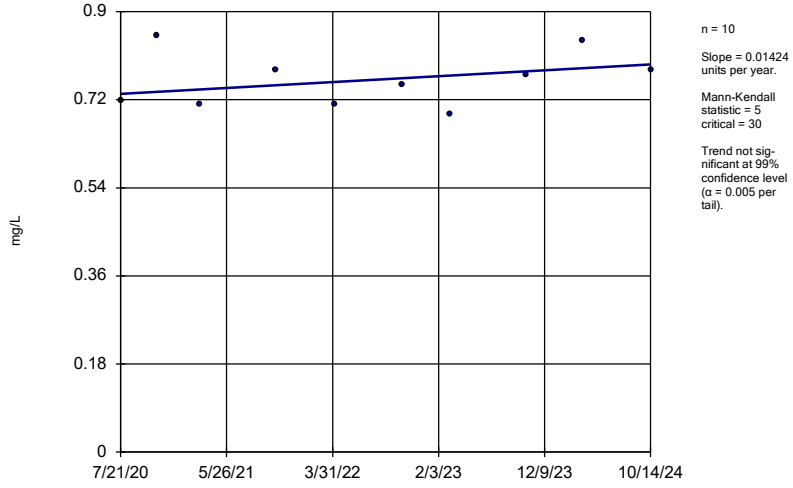
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = 0.01424 units per year.

Mann-Kendall statistic = 5
critical = 30

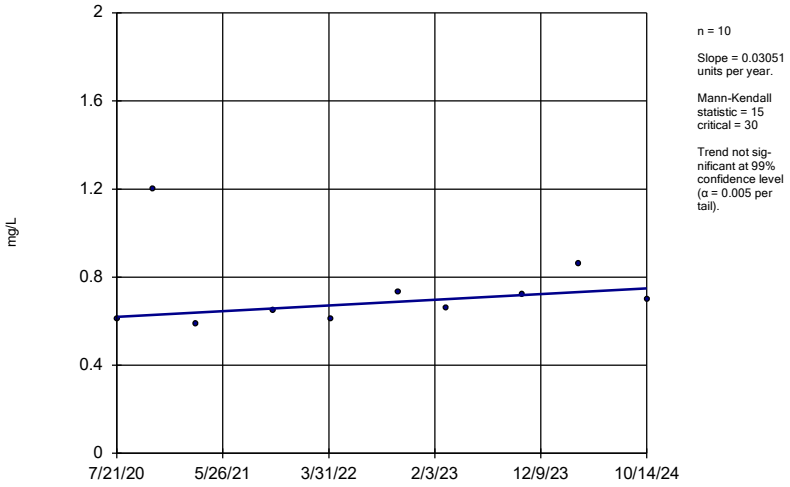
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = 0.03051 units per year.

Mann-Kendall statistic = 15 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

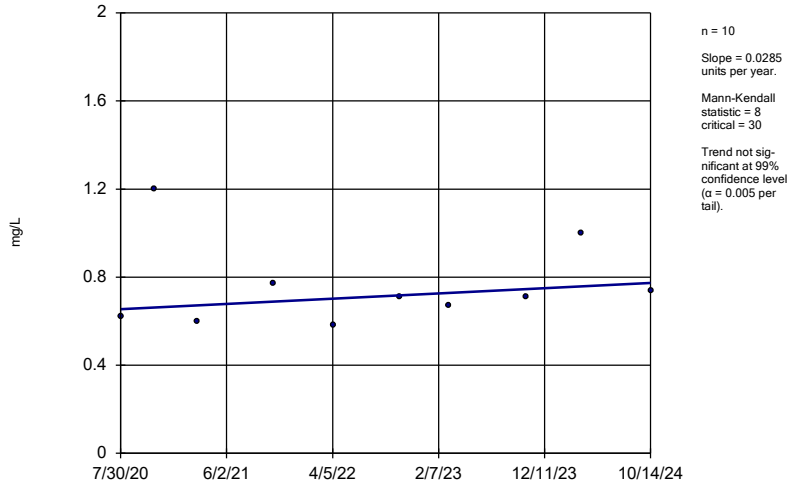
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = 0.0285 units per year.

Mann-Kendall statistic = 8 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

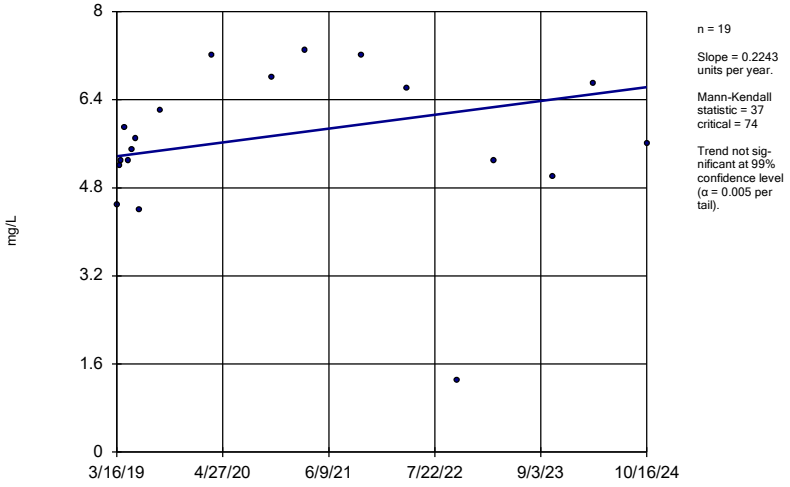
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 19

Slope = 0.2243 units per year.

Mann-Kendall statistic = 37 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

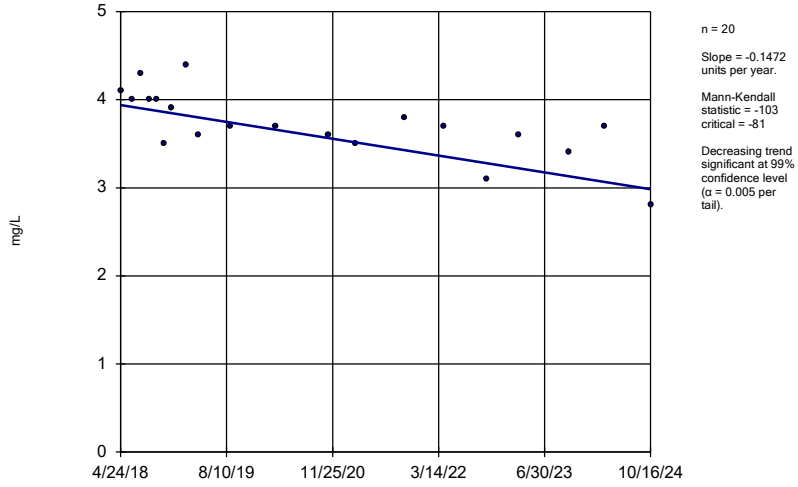
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 20

Slope = -0.1472 units per year.

Mann-Kendall statistic = -103 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

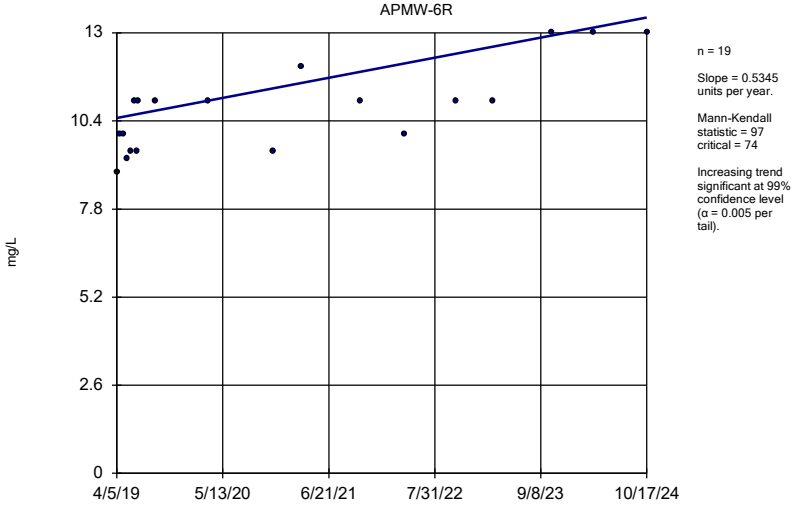
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 19

Slope = 0.5345 units per year.

Mann-Kendall statistic = 97 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

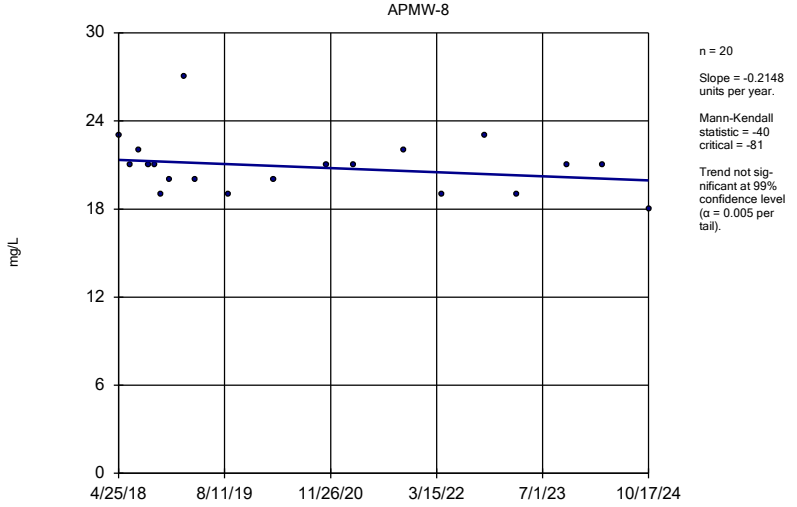
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 20

Slope = -0.2148 units per year.

Mann-Kendall statistic = -40 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

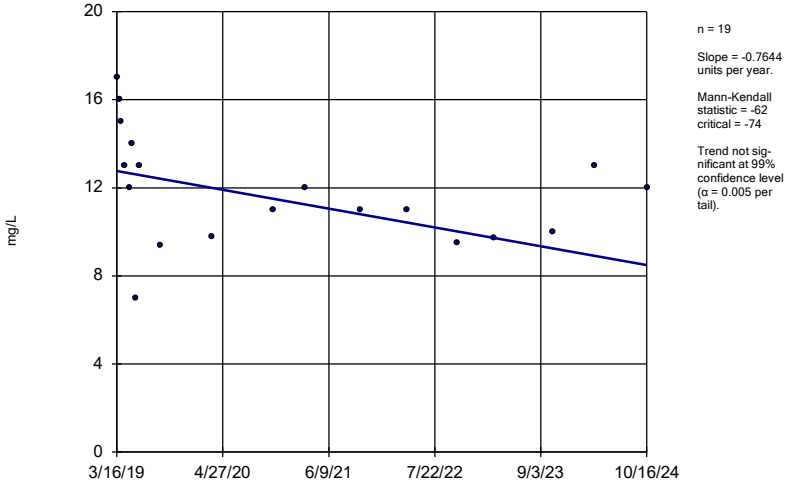
Constituent: Boron Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.7644 units per year.

Mann-Kendall statistic = -62 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

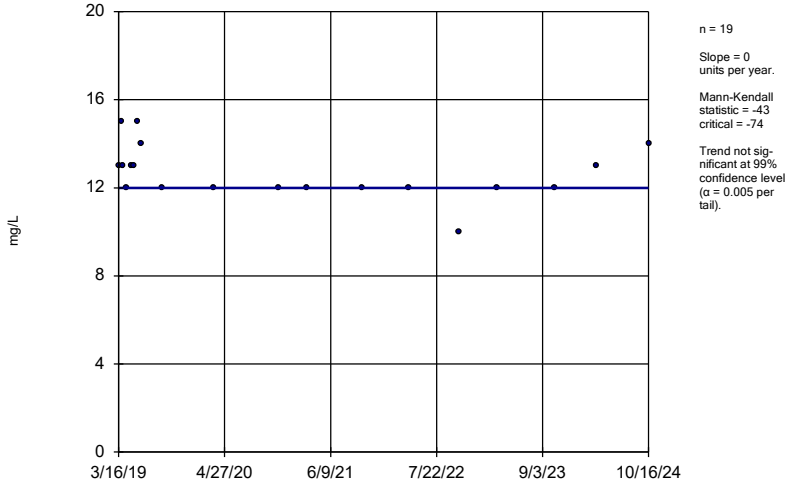
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -43 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

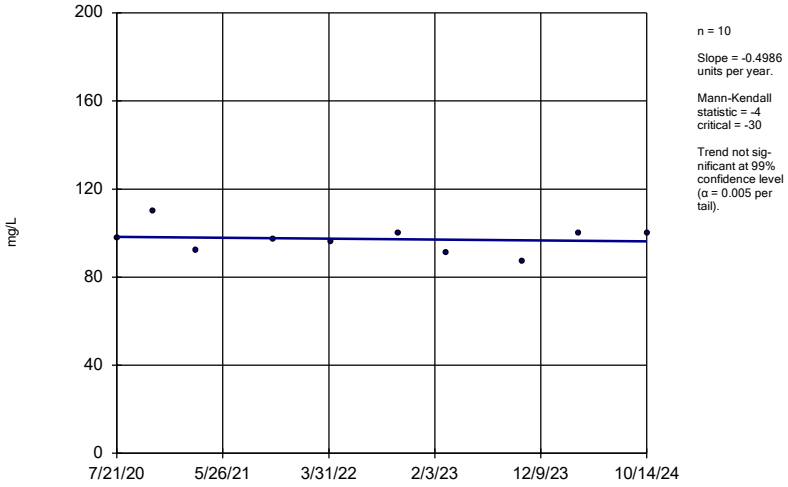
Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = -0.4986 units per year.

Mann-Kendall statistic = -4 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

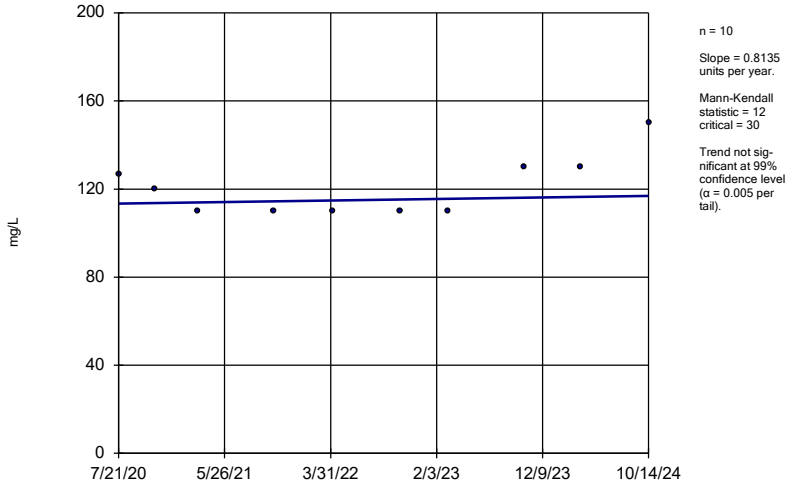
Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = 0.8135 units per year.

Mann-Kendall statistic = 12 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

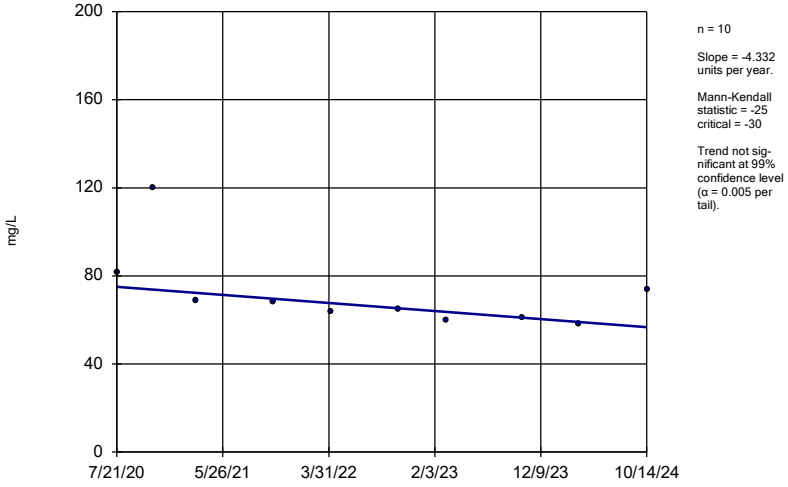
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = -4.332 units per year.

Mann-Kendall statistic = -25 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

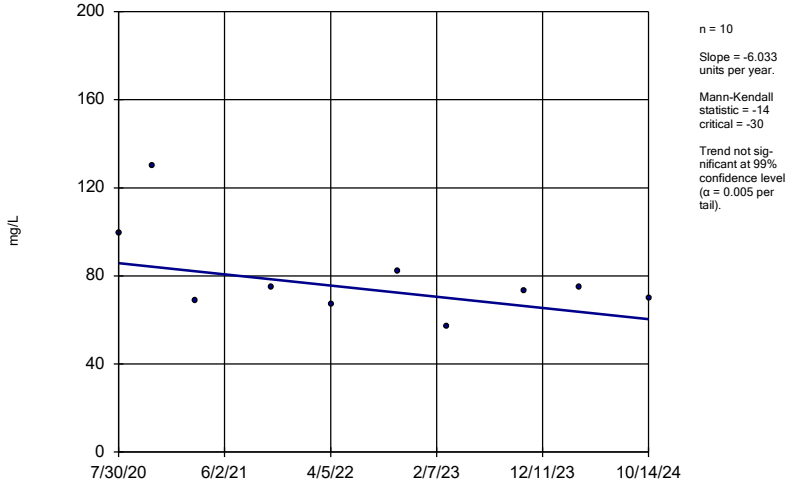
Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -6.033 units per year.

Mann-Kendall statistic = -14 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

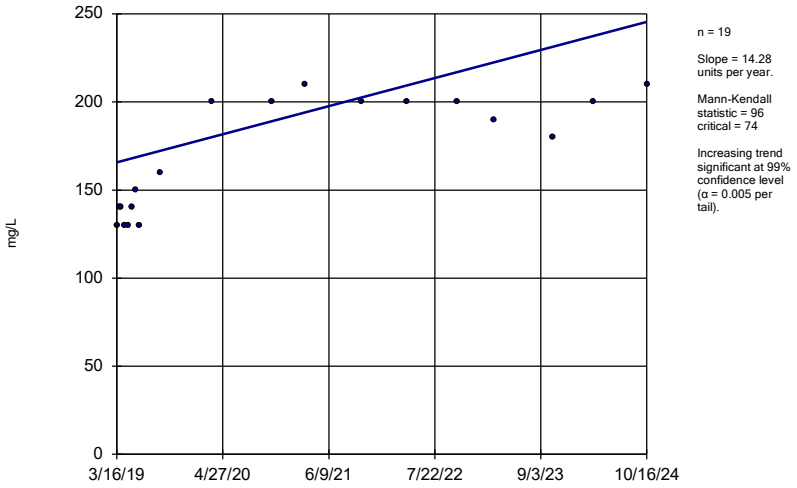
Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 19

Slope = 14.28 units per year.

Mann-Kendall statistic = 96
critical = 74

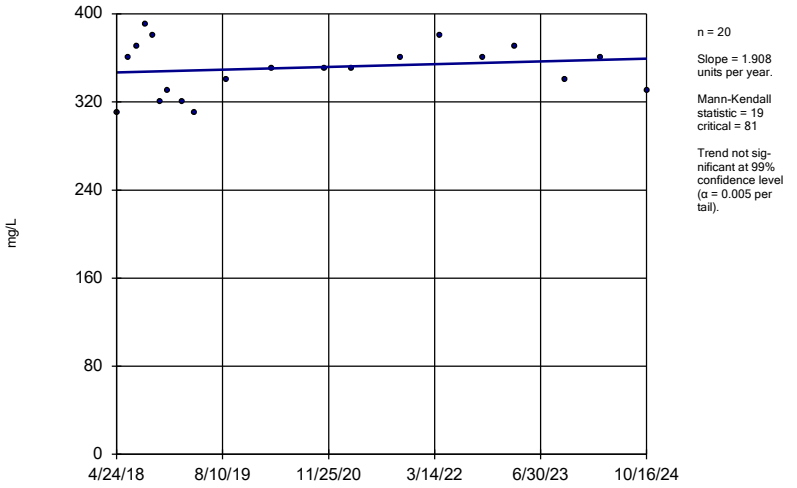
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-2



n = 20

Slope = 1.908 units per year.

Mann-Kendall statistic = 19
critical = 81

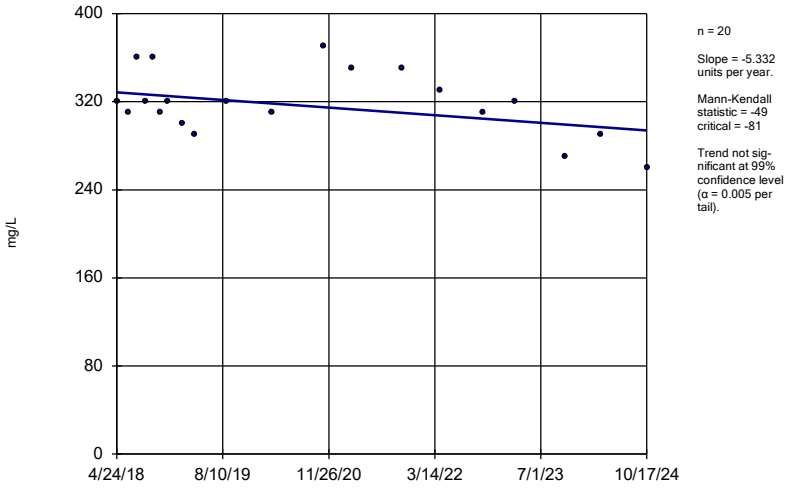
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 20

Slope = -5.332 units per year.

Mann-Kendall statistic = -49
critical = -81

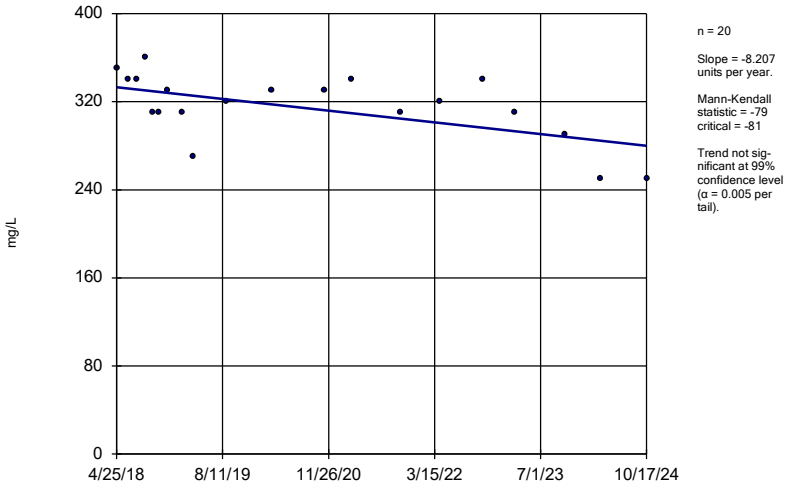
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 20

Slope = -8.207 units per year.

Mann-Kendall statistic = -79
critical = -81

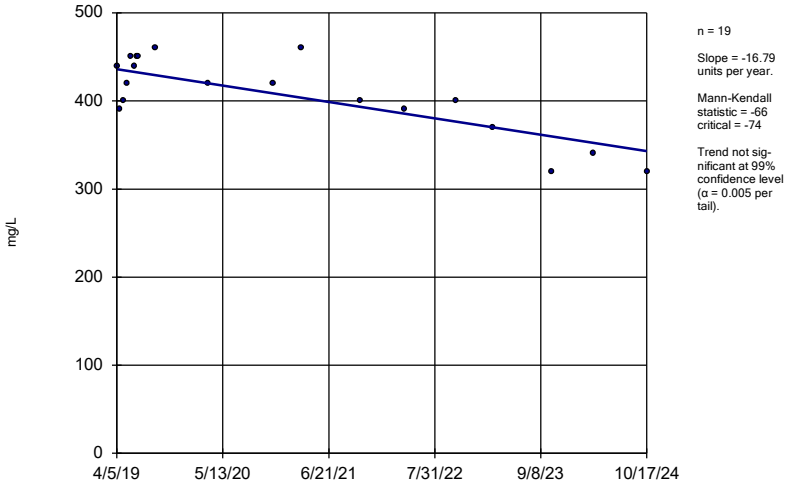
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 19

Slope = -16.79 units per year.

Mann-Kendall statistic = -66
critical = -74

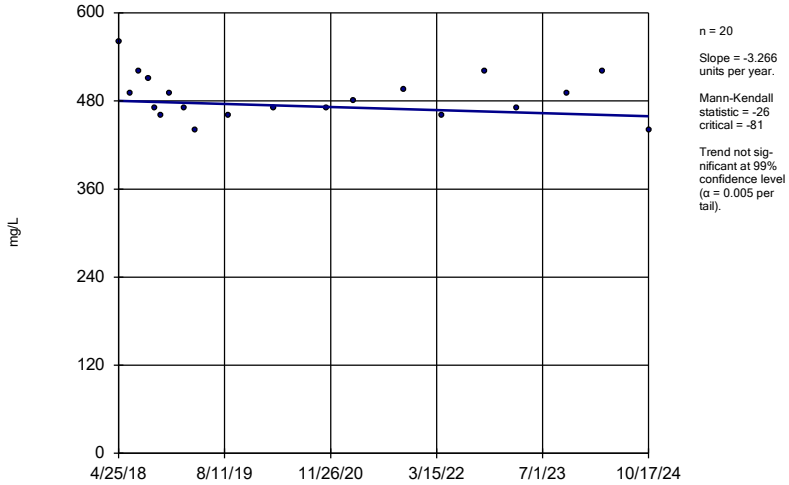
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 20

Slope = -3.266 units per year.

Mann-Kendall statistic = -26
critical = -81

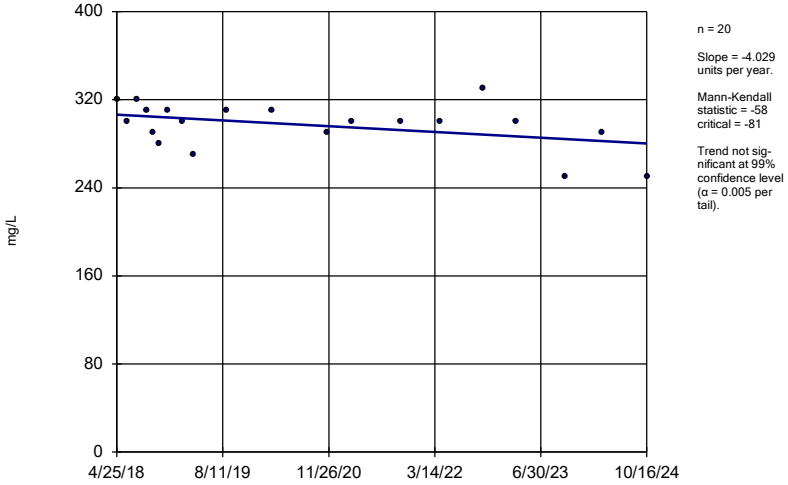
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-9



n = 20

Slope = -4.029 units per year.

Mann-Kendall statistic = -58
critical = -81

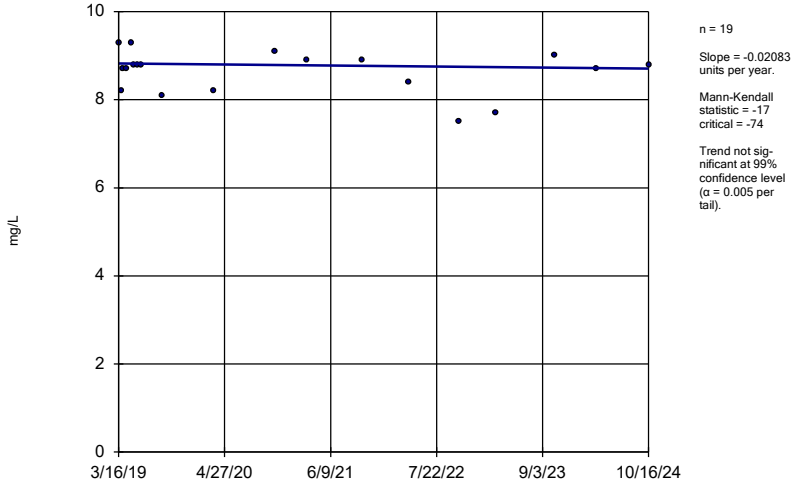
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.02083 units per year.

Mann-Kendall statistic = -17
critical = -74

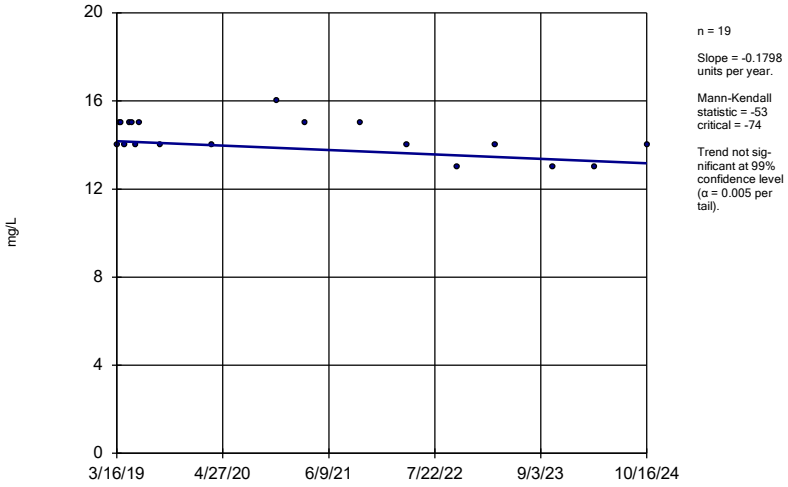
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.1798 units per year.

Mann-Kendall statistic = -53 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

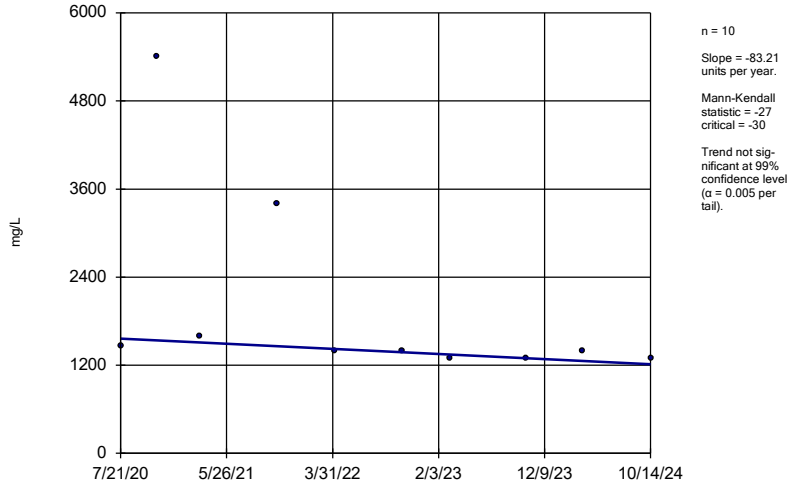
Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = -83.21 units per year.

Mann-Kendall statistic = -27 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

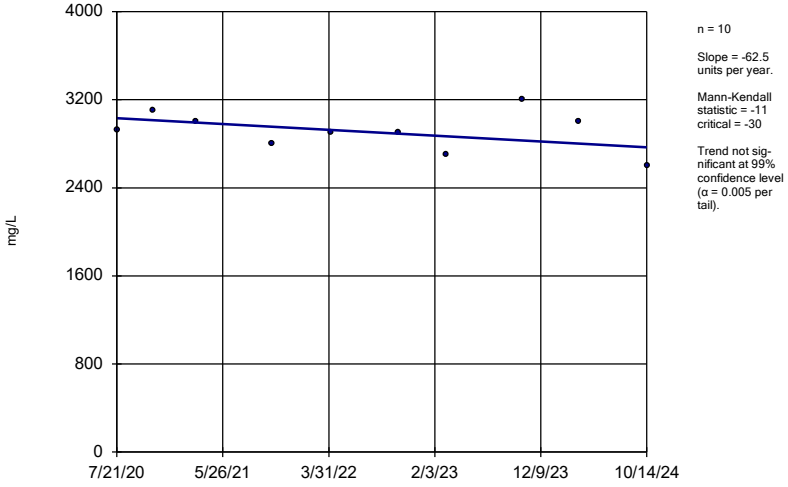
Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = -62.5 units per year.

Mann-Kendall statistic = -11 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

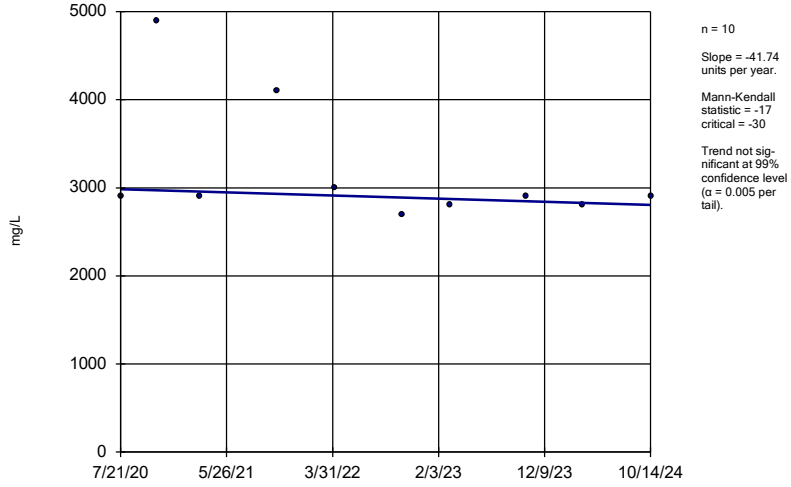
Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = -41.74 units per year.

Mann-Kendall statistic = -17 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

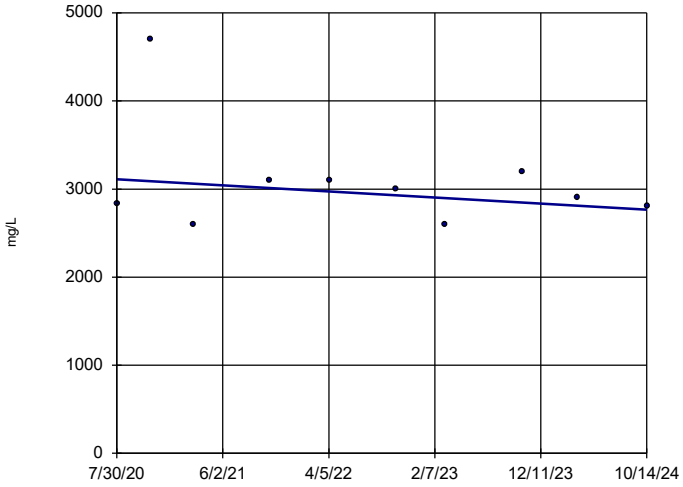
Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -81.56 units per year.

Mann-Kendall statistic = -7
critical = -30

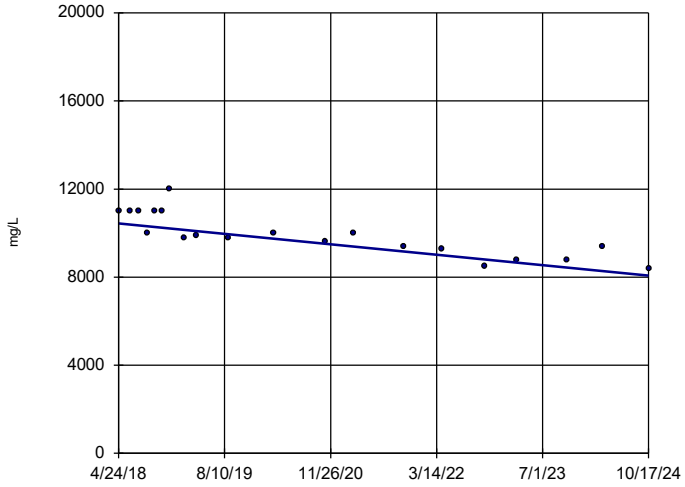
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 20

Slope = -364.2 units per year.

Mann-Kendall statistic = -130
critical = -81

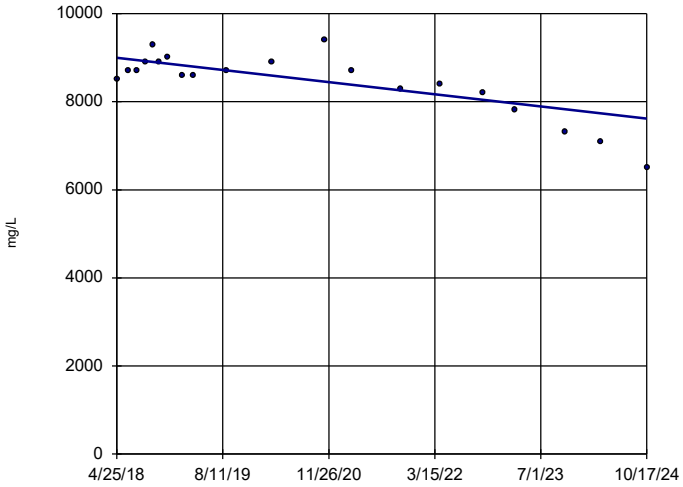
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 20

Slope = -212.6 units per year.

Mann-Kendall statistic = -94
critical = -81

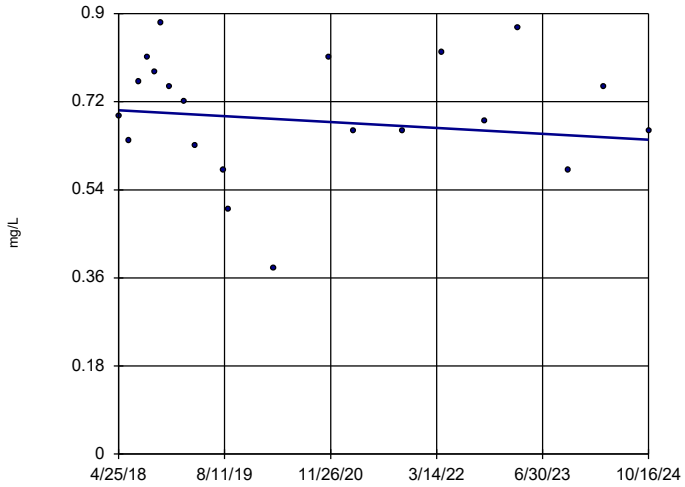
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-10



n = 21

Slope = -0.009332 units per year.

Mann-Kendall statistic = -18
critical = -87

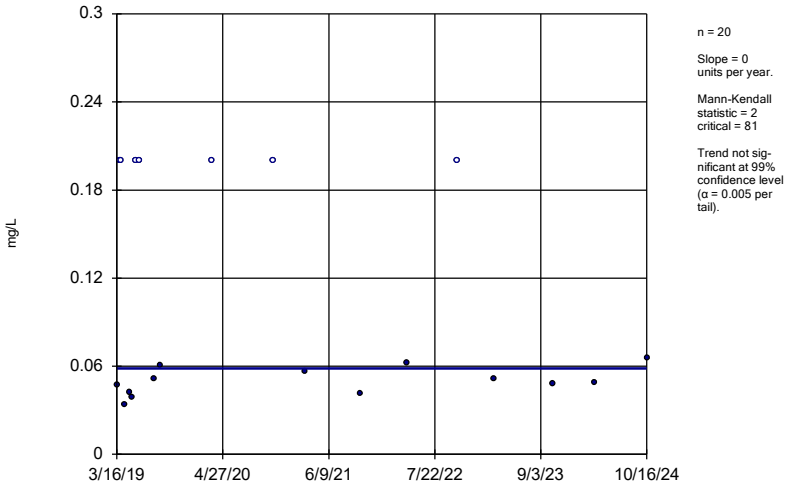
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = 0
units per year.

Mann-Kendall
statistic = 2
critical = 81

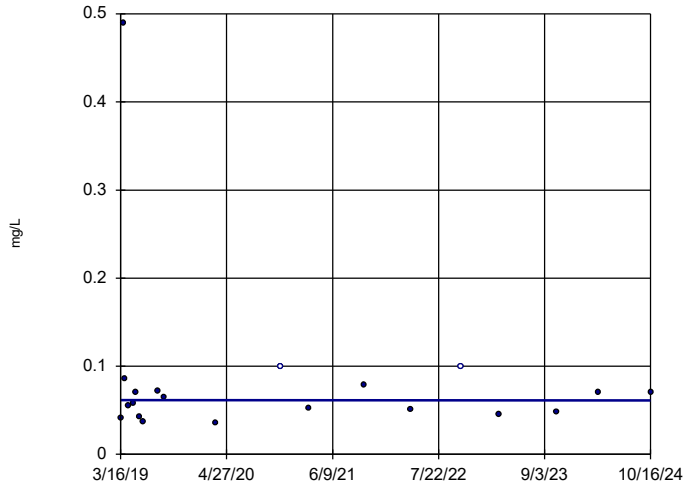
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.00009626
units per year.

Mann-Kendall
statistic = -2
critical = -81

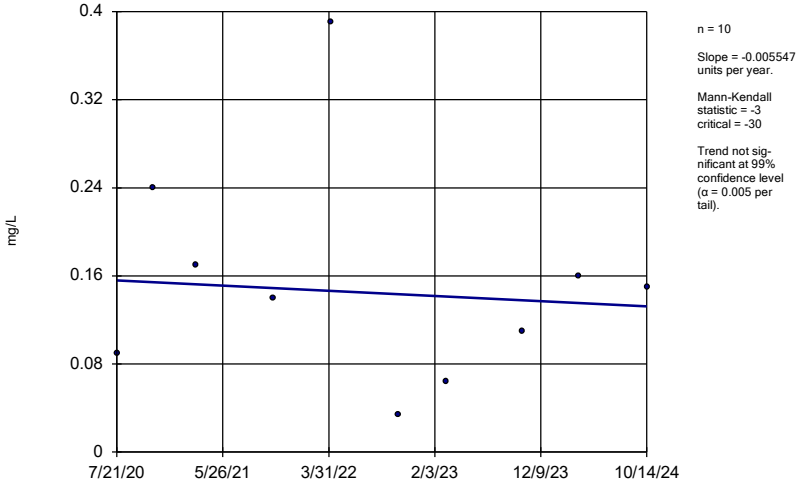
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = -0.005547
units per year.

Mann-Kendall
statistic = -3
critical = -30

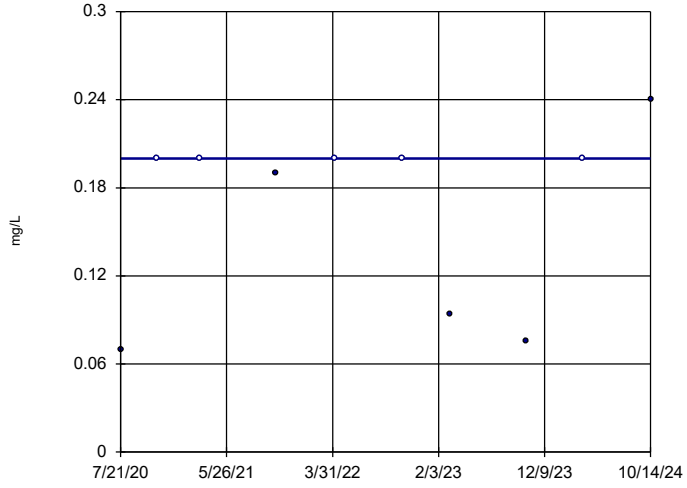
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = 0
units per year.

Mann-Kendall
statistic = 9
critical = 30

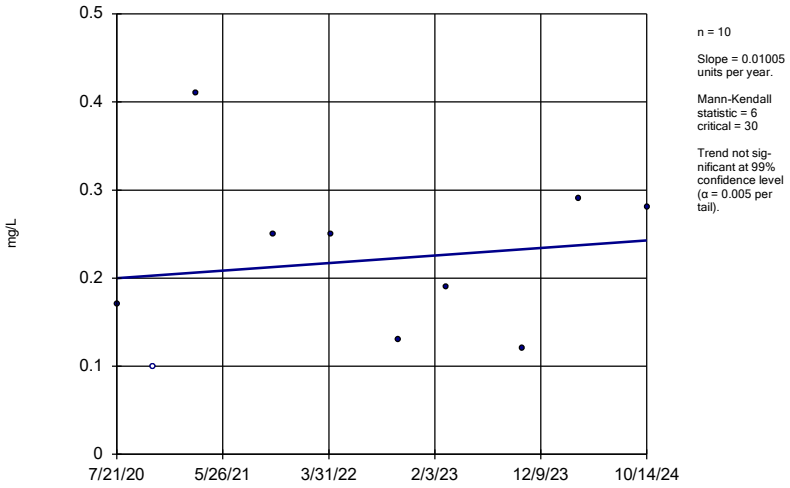
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = 0.01005 units per year.

Mann-Kendall statistic = 6
critical = 30

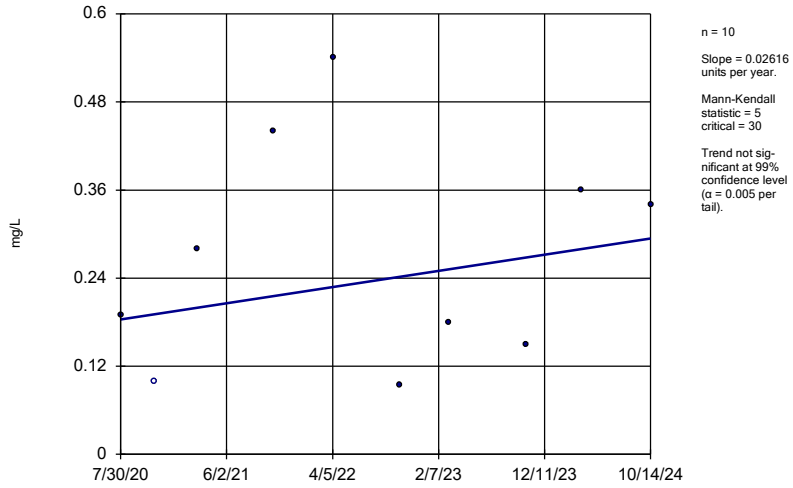
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = 0.02616 units per year.

Mann-Kendall statistic = 5
critical = 30

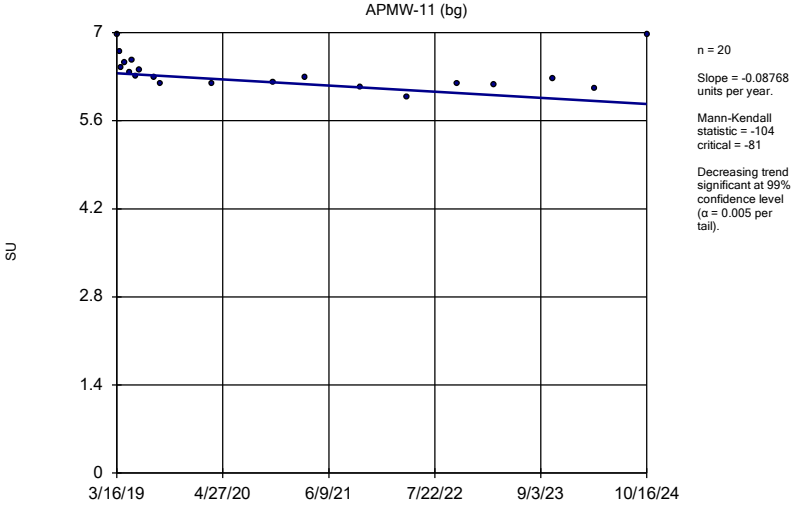
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.08768 units per year.

Mann-Kendall statistic = -104
critical = -81

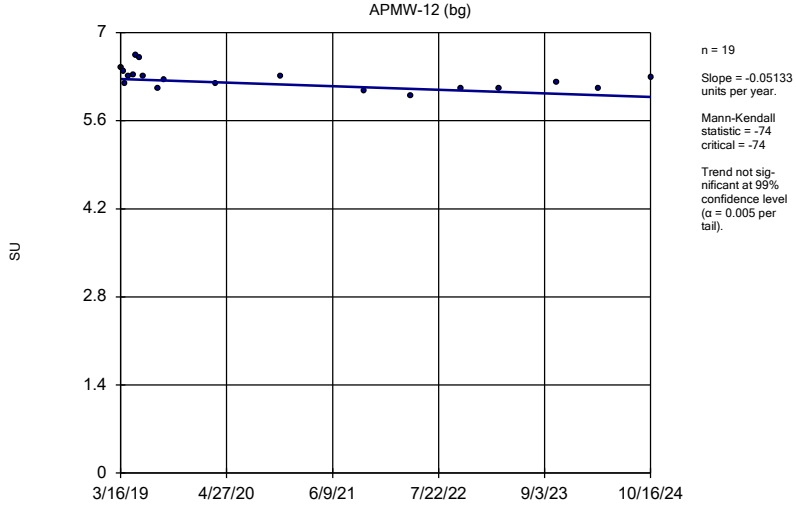
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.05133 units per year.

Mann-Kendall statistic = -74
critical = -74

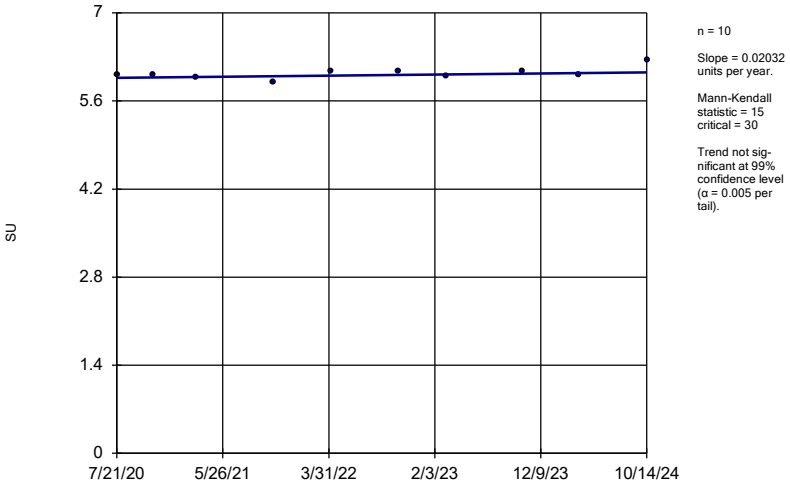
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = 0.02032 units per year.

Mann-Kendall statistic = 15
critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

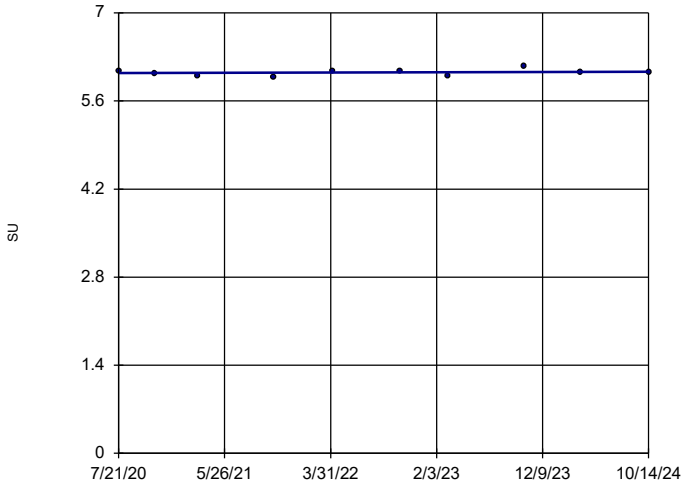
Constituent: pH Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = 0.004986 units per year.

Mann-Kendall statistic = 2
critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

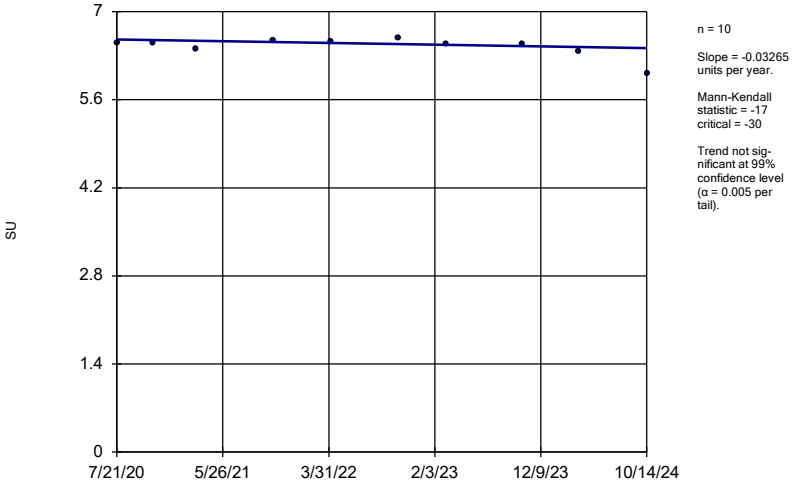
Constituent: pH Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = -0.03265 units per year.

Mann-Kendall statistic = -17
critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

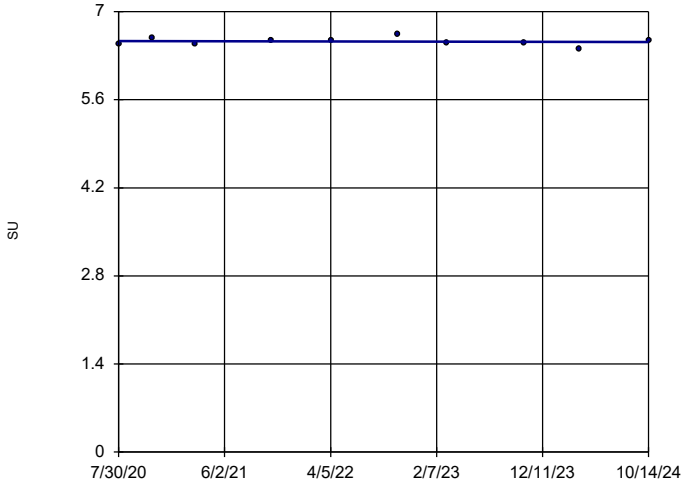
Constituent: pH Analysis Run 12/6/2024 1:24 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -0.003333 units per year.

Mann-Kendall statistic = -3
critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

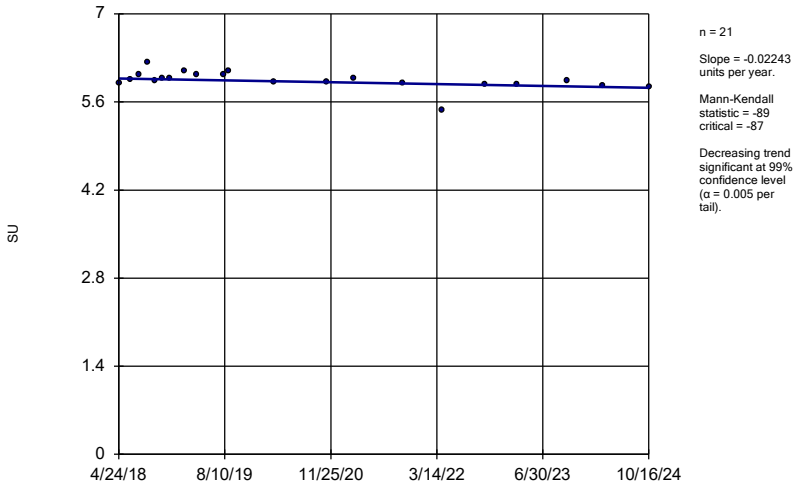
Constituent: pH Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 21

Slope = -0.02243 units per year.

Mann-Kendall statistic = -89
critical = -87

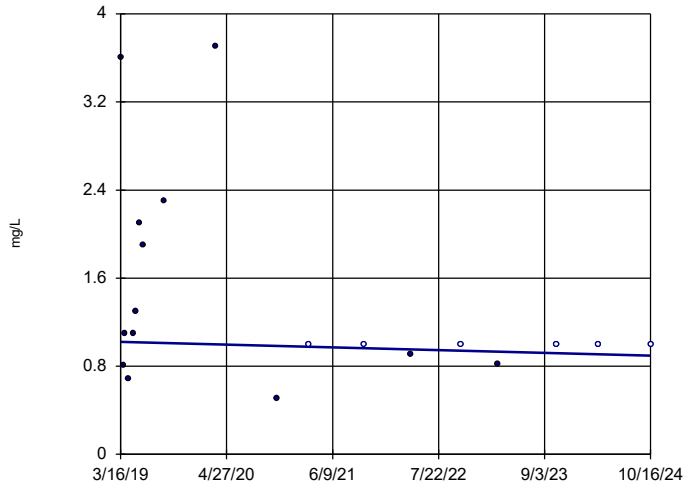
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.02237 units per year.

Mann-Kendall statistic = -27
critical = -74

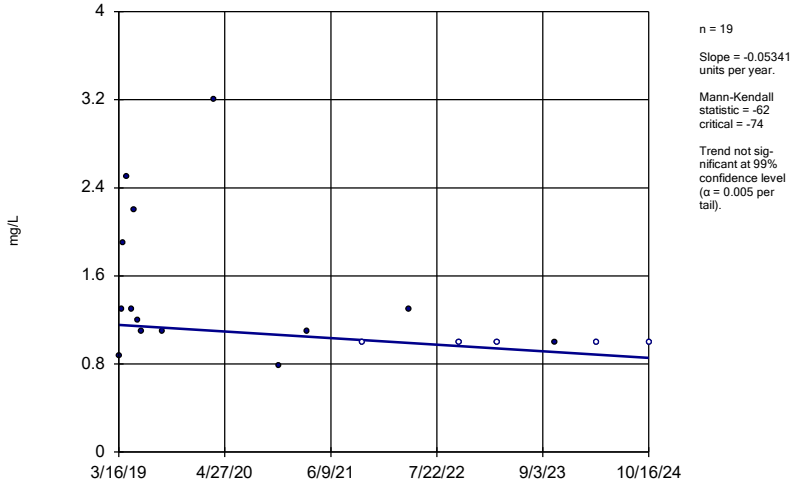
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.05341 units per year.

Mann-Kendall statistic = -62
critical = -74

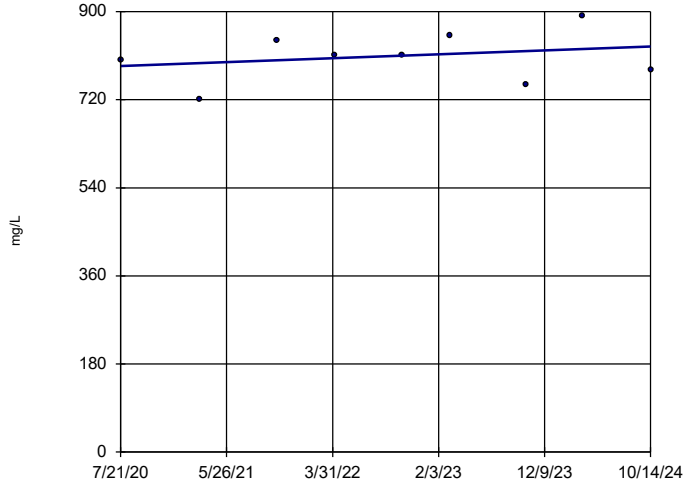
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = 9.346 units per year.

Mann-Kendall statistic = 7
critical = 25

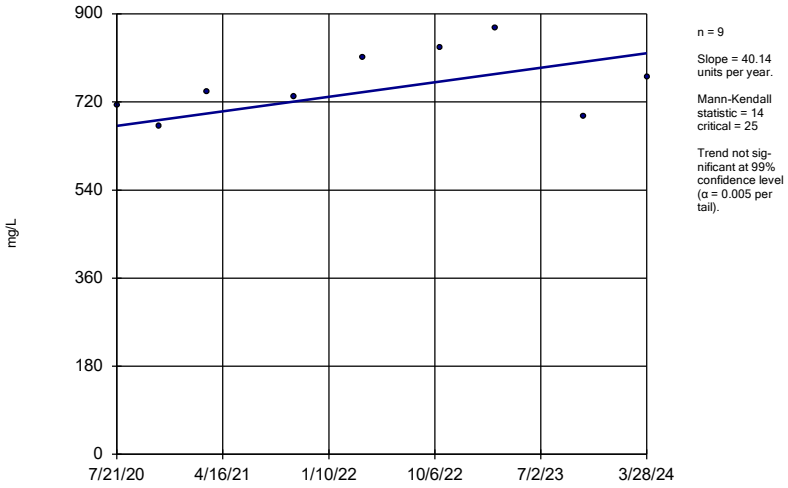
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 40.14 units per year.

Mann-Kendall statistic = 14 critical = 25

Trend not significant at 99% confidence level (α = 0.005 per tail).

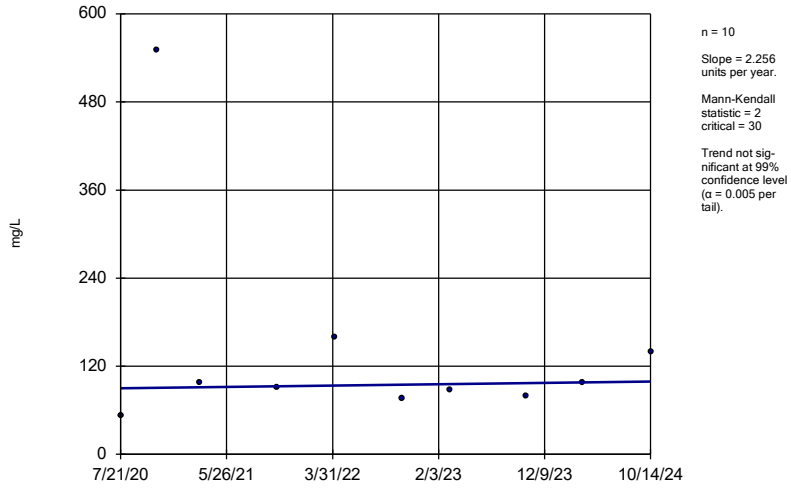
Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = 2.256 units per year.

Mann-Kendall statistic = 2 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

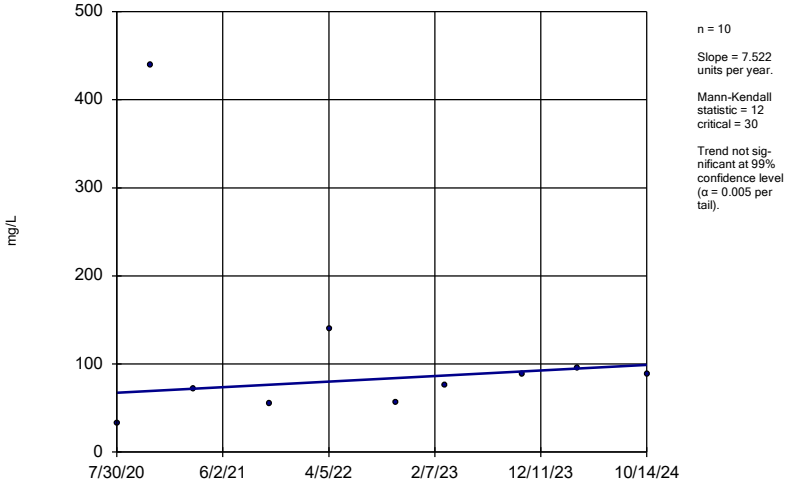
Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = 7.522 units per year.

Mann-Kendall statistic = 12 critical = 30

Trend not significant at 99% confidence level (α = 0.005 per tail).

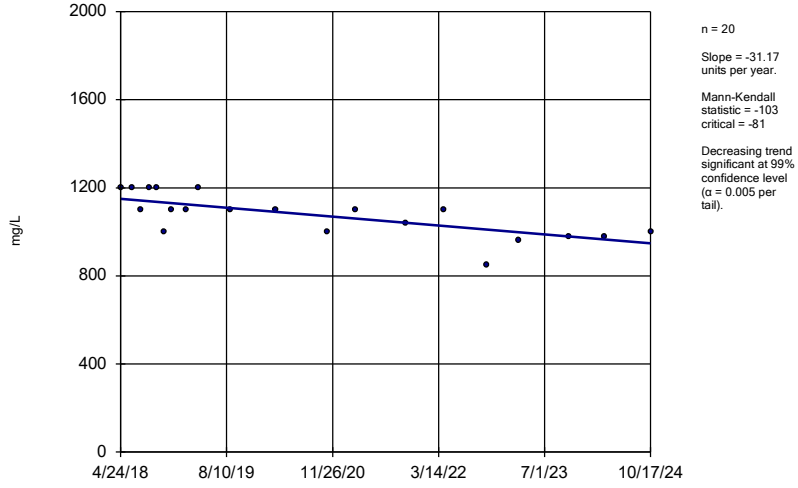
Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 20

Slope = -31.17 units per year.

Mann-Kendall statistic = -103 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

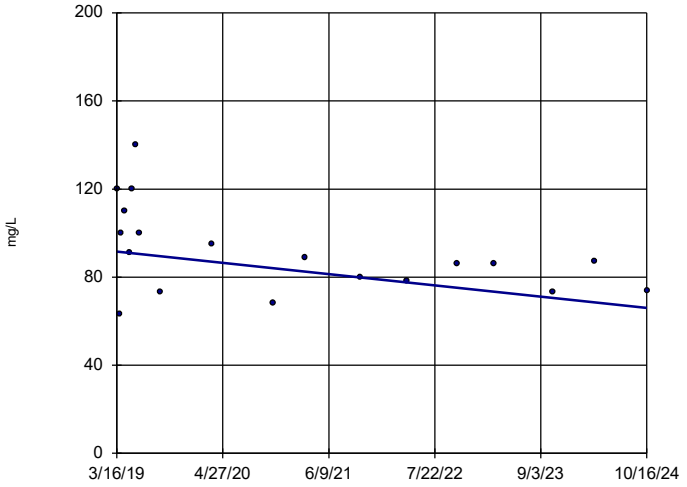
Constituent: Sulfate Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -4.579 units per year.

Mann-Kendall statistic = -59 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

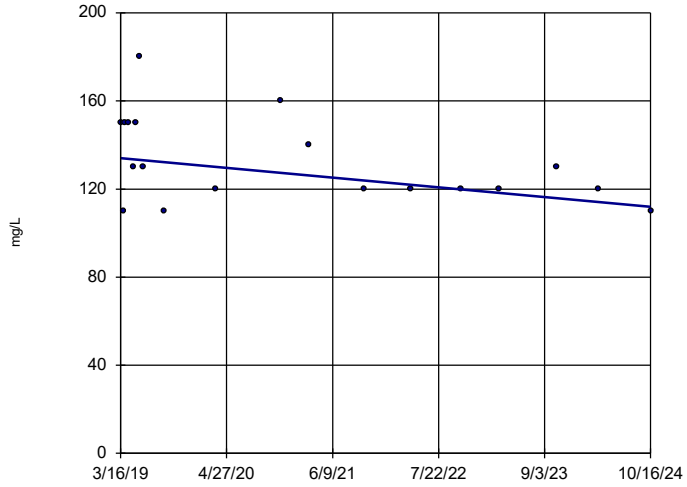
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -3.942 units per year.

Mann-Kendall statistic = -54 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

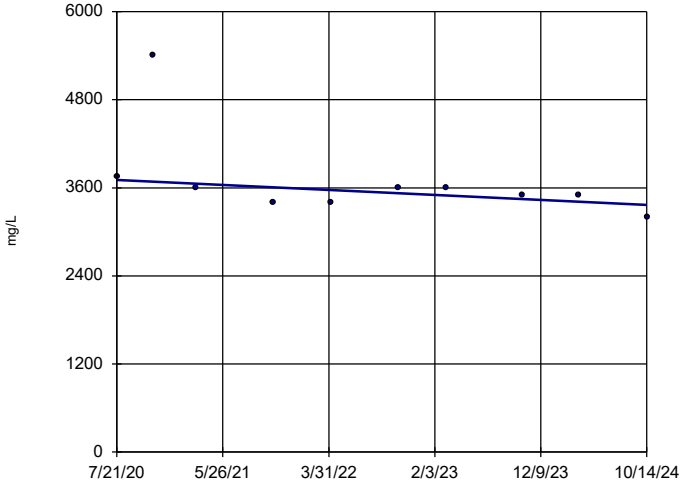
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = -80.15 units per year.

Mann-Kendall statistic = -22 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

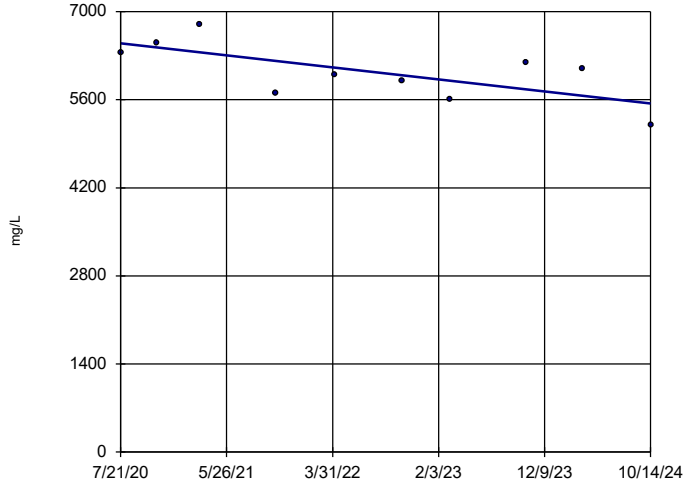
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = -225.3 units per year.

Mann-Kendall statistic = -19 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

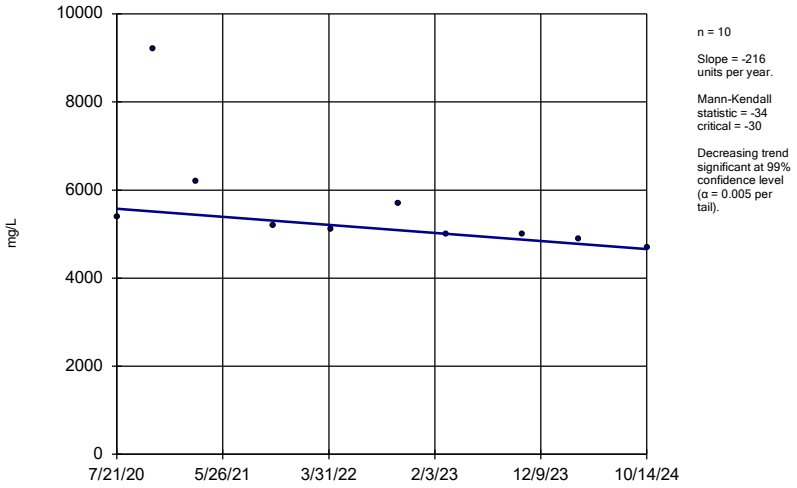
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = -216 units per year.

Mann-Kendall statistic = -34 critical = -30

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

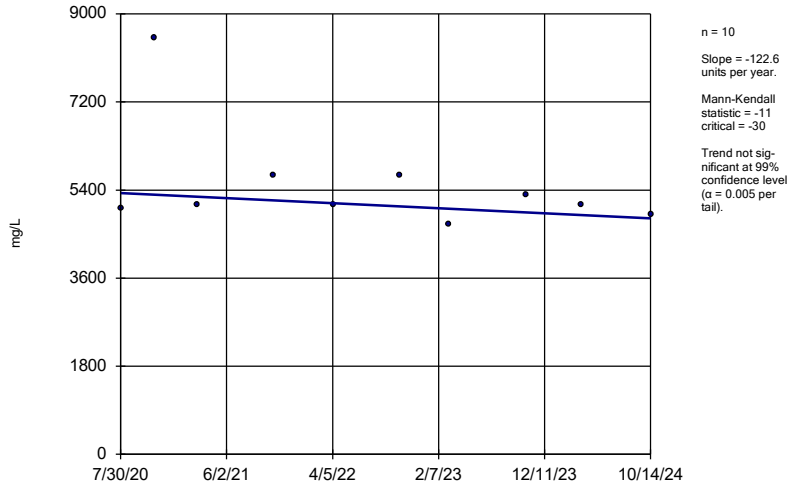
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -122.6 units per year.

Mann-Kendall statistic = -11 critical = -30

Trend not significant at 99% confidence level (α = 0.005 per tail).

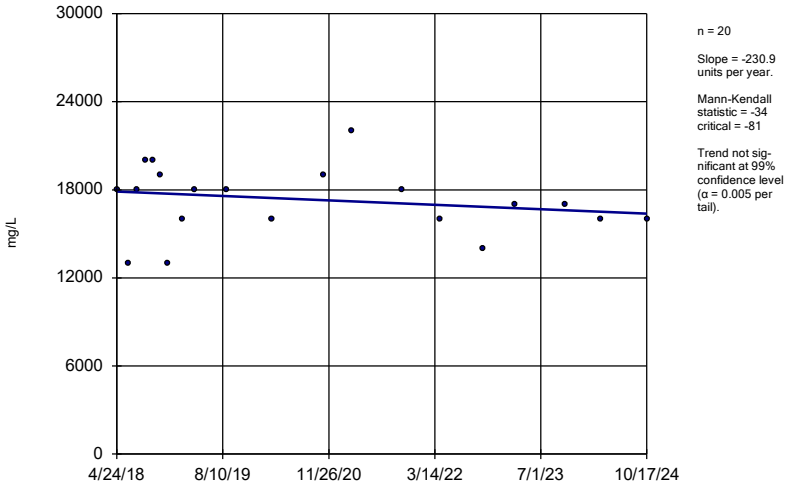
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-3



n = 20

Slope = -230.9 units per year.

Mann-Kendall statistic = -34 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

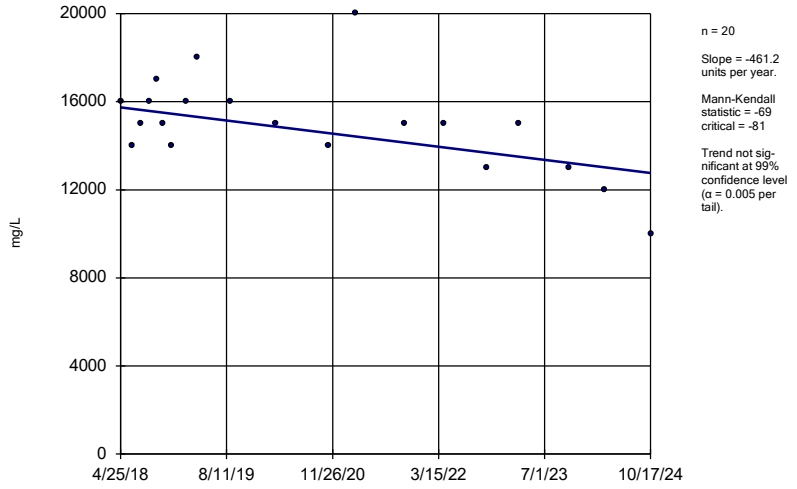
Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-5



n = 20

Slope = -461.2 units per year.

Mann-Kendall statistic = -69 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/6/2024 1:25 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE F.

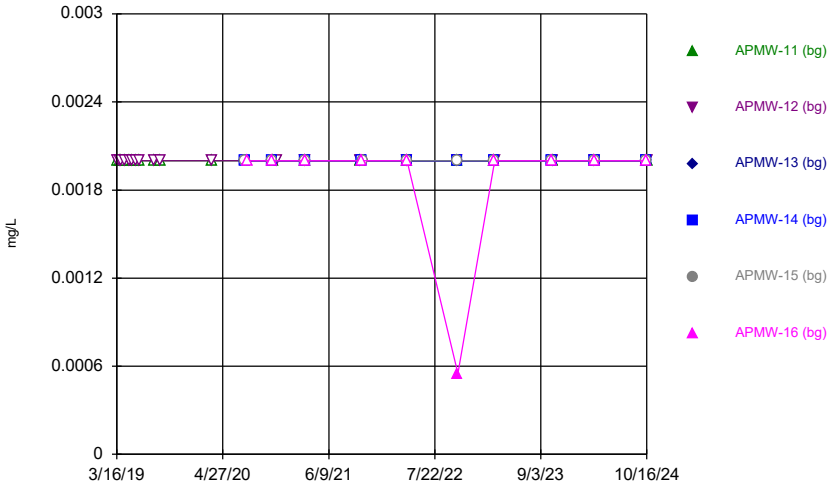
Upper Tolerance Limits

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:45 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	80	n/a	n/a	98.75	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	80	n/a	n/a	42.5	n/a	n/a	0.01652	NP Inter(normality)
Barium (mg/L)	n/a	0.25	n/a	n/a	n/a	80	n/a	n/a	0	n/a	n/a	0.01652	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	96.25	n/a	n/a	0.01652	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	98.75	n/a	n/a	0.01652	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0044	n/a	n/a	n/a	76	n/a	n/a	81.58	n/a	n/a	0.02028	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0025	n/a	n/a	n/a	80	n/a	n/a	90	n/a	n/a	0.01652	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	5.81	n/a	n/a	n/a	80	1.081	0.3653	2.5	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.54	n/a	n/a	n/a	80	n/a	n/a	20	n/a	n/a	0.01652	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)
Lithium (mg/L)	n/a	0.02407	n/a	n/a	n/a	80	0.1024	0.02688	6.25	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	76	n/a	n/a	97.37	n/a	n/a	0.02028	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	80	n/a	n/a	100	n/a	n/a	0.01652	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	80	n/a	n/a	97.5	n/a	n/a	0.01652	NP Inter(NDs)

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Hollow symbols indicate censored values.

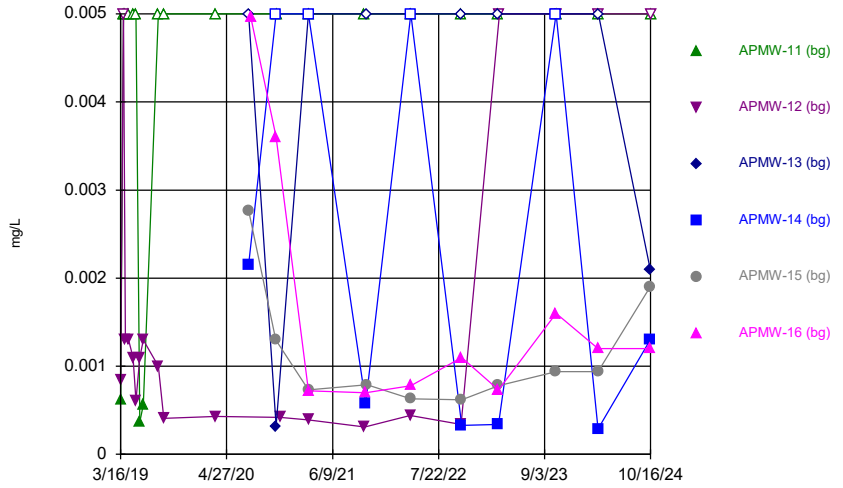
Time Series



Constituent: Antimony Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

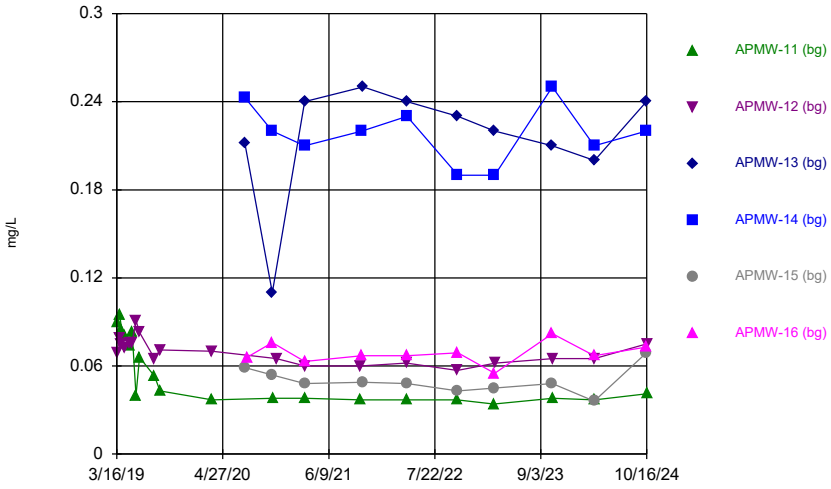
Time Series



Constituent: Arsenic Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

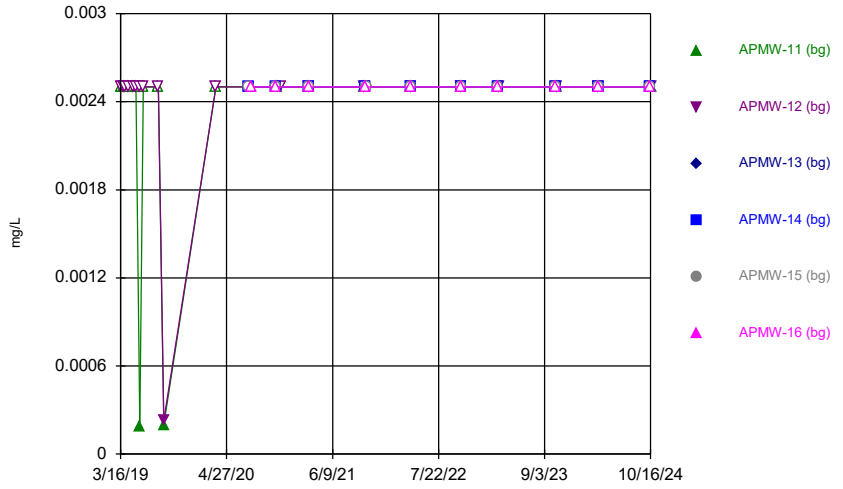
Time Series



Constituent: Barium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

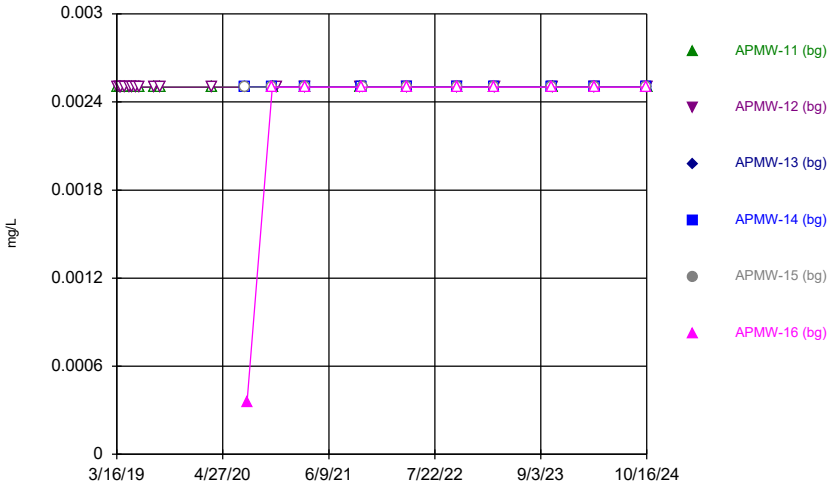
Time Series



Constituent: Beryllium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

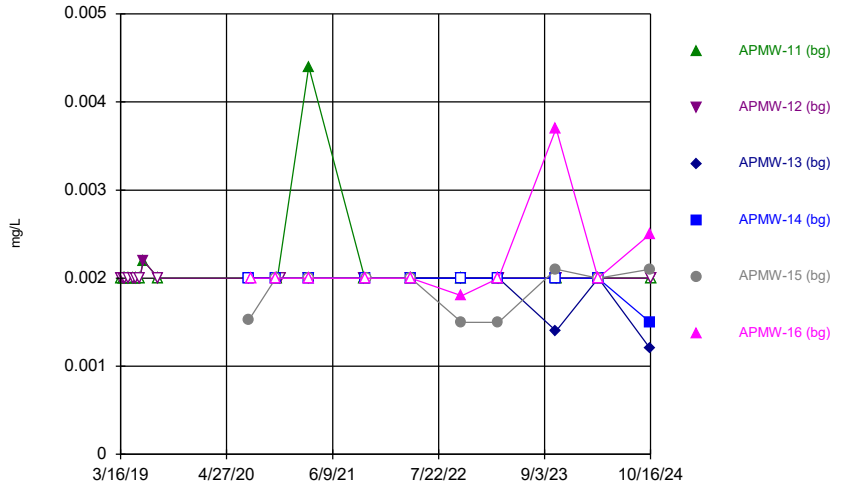
Time Series



Constituent: Cadmium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

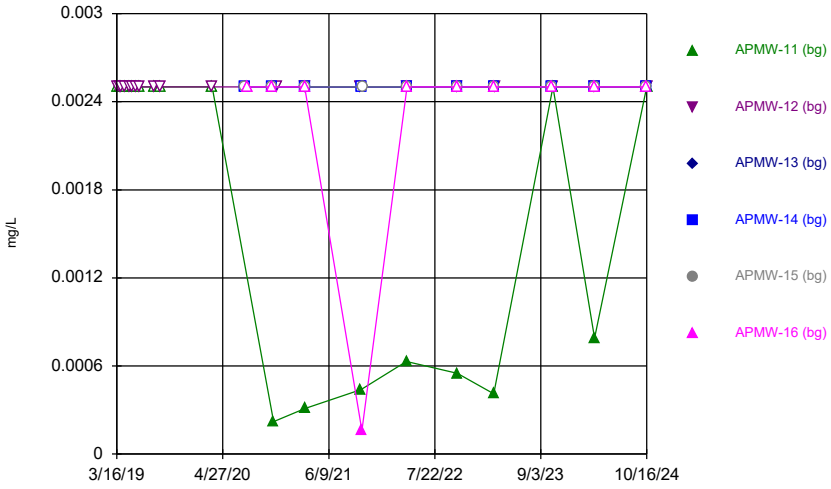
Time Series



Constituent: Chromium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

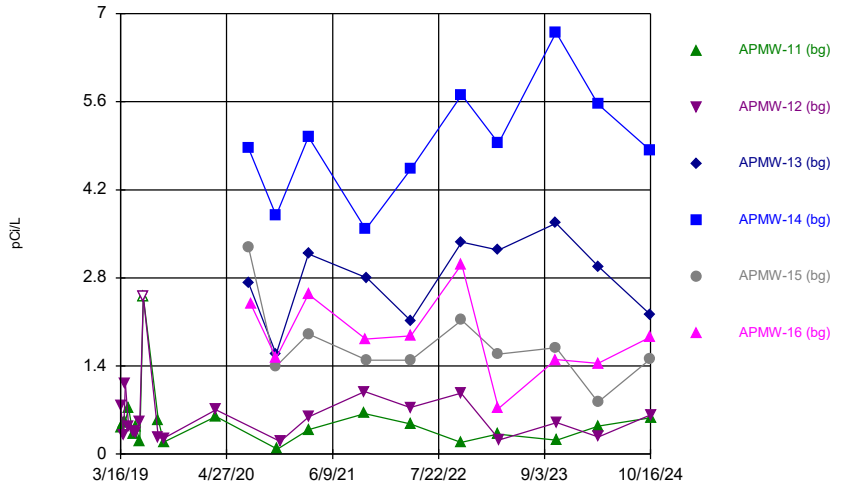
Time Series



Constituent: Cobalt Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

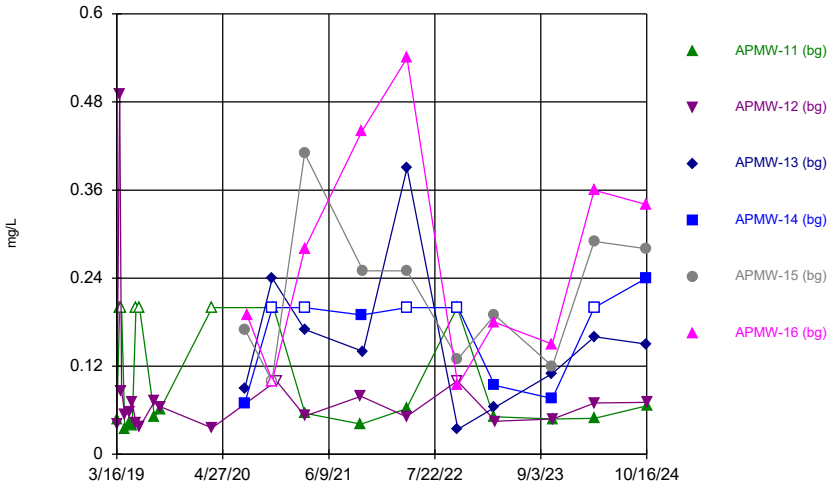
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

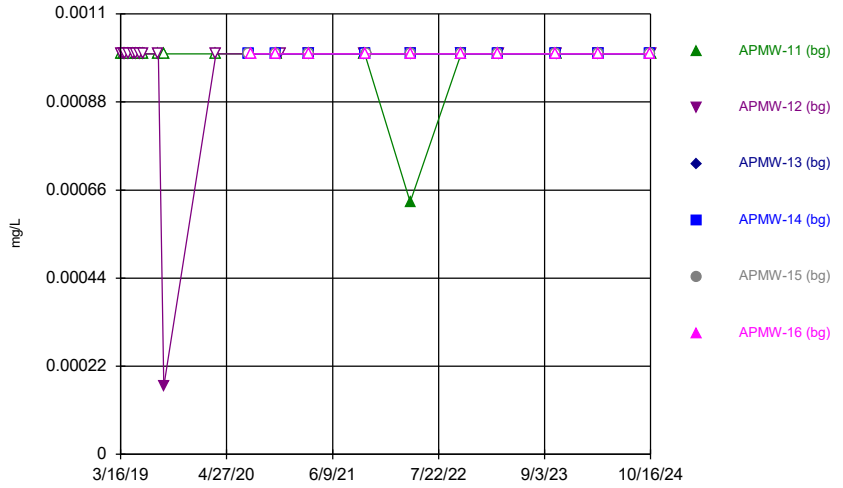
Time Series



Constituent: Fluoride Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

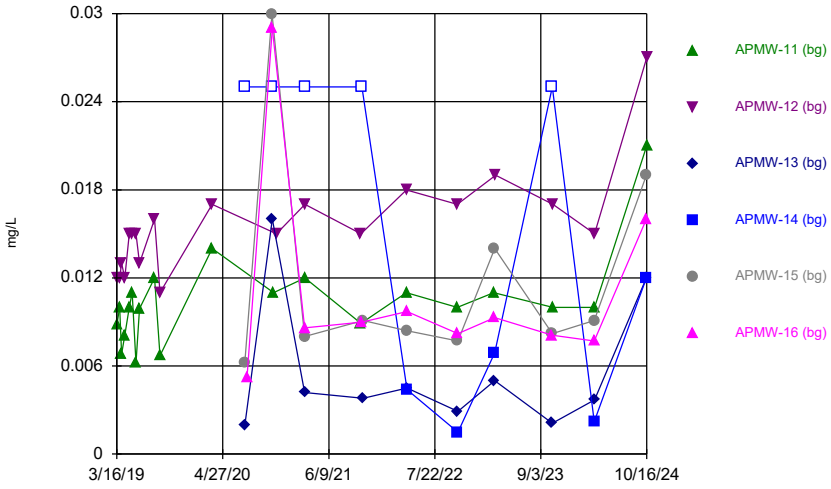
Time Series



Constituent: Lead Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

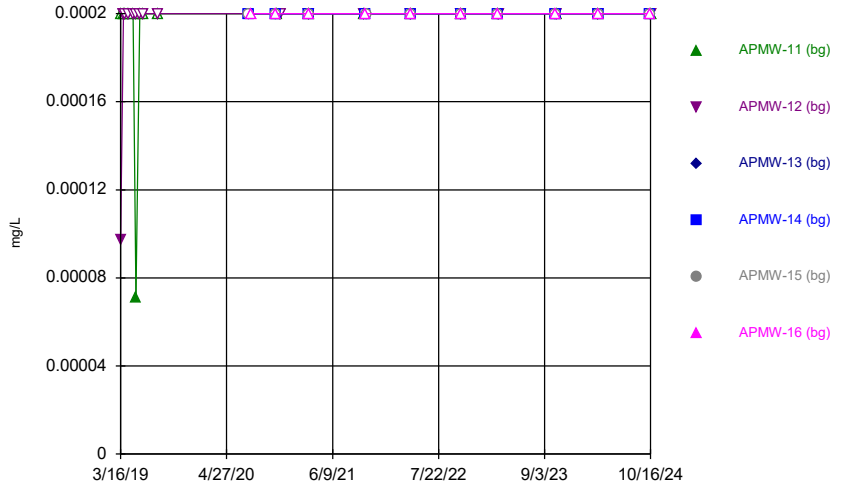
Time Series



Constituent: Lithium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

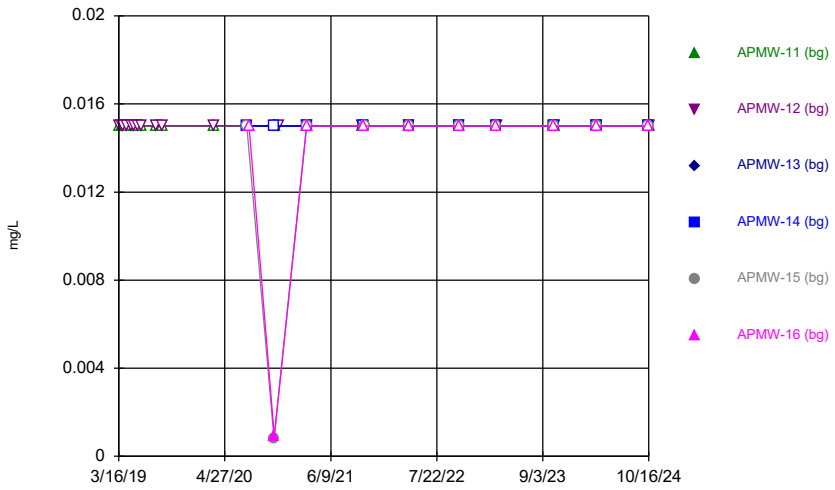
Time Series



Constituent: Mercury Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

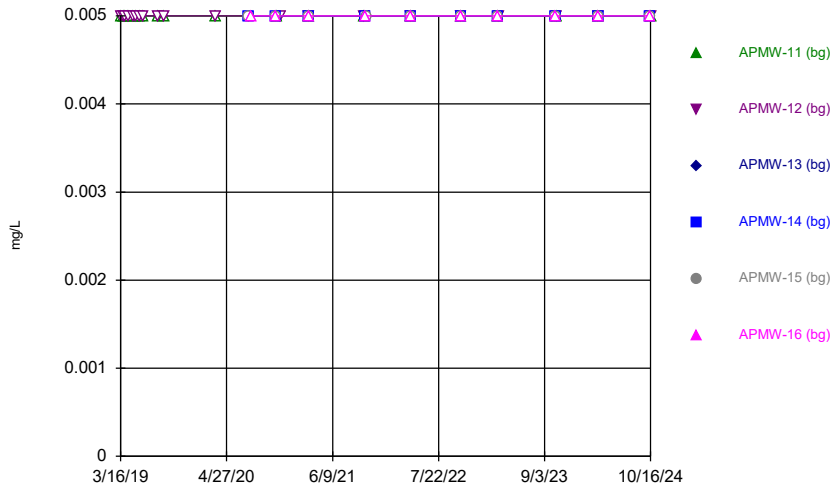
Time Series



Constituent: Molybdenum Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

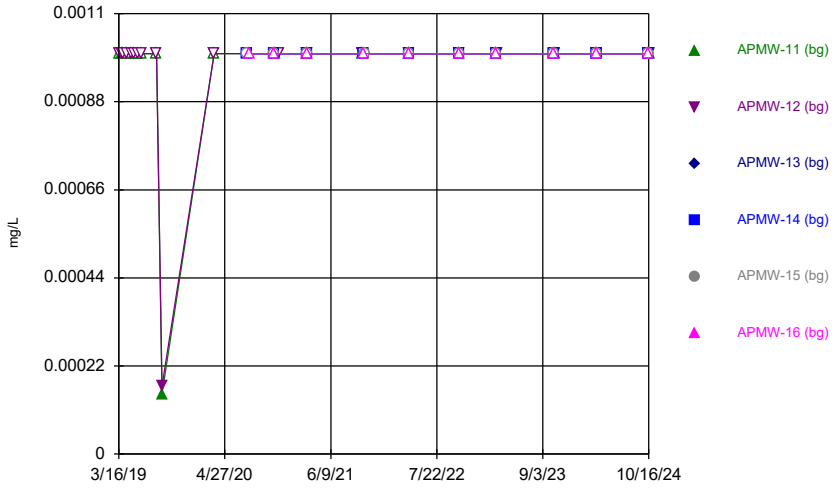
Time Series



Constituent: Selenium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 12/6/2024 12:44 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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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 80 background values. 98.75% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Antimony Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



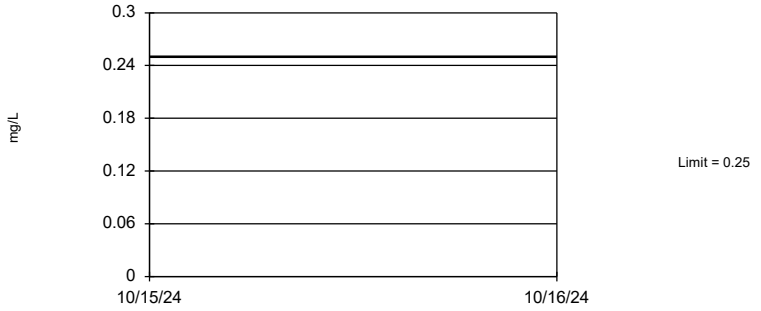
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 42.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Arsenic Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



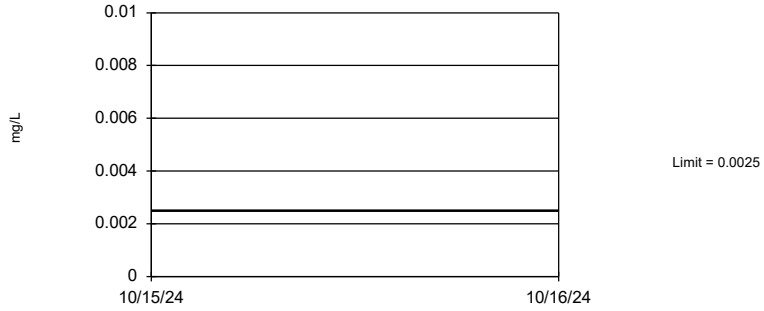
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Barium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



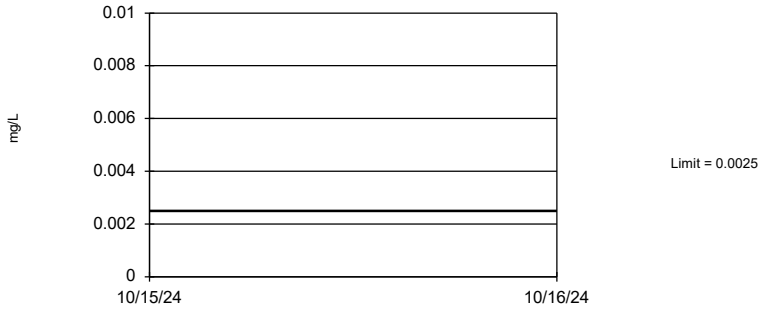
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 96.25% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Beryllium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



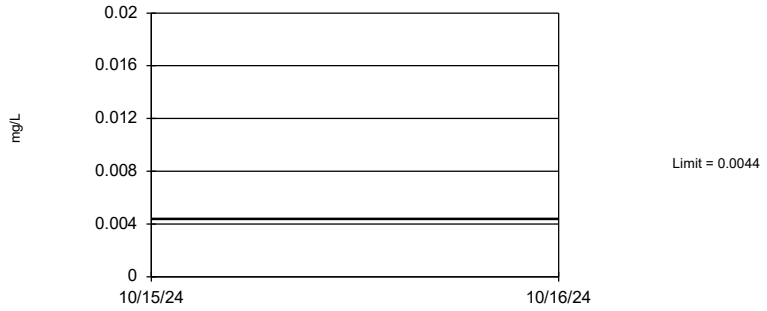
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 98.75% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Cadmium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



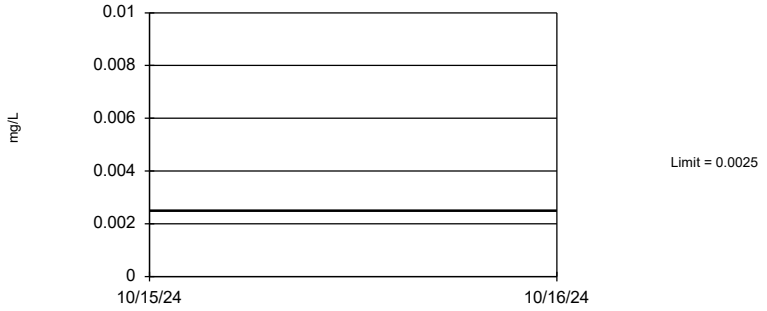
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 76 background values. 81.58% NDs. 93.95% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02028.

Constituent: Chromium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



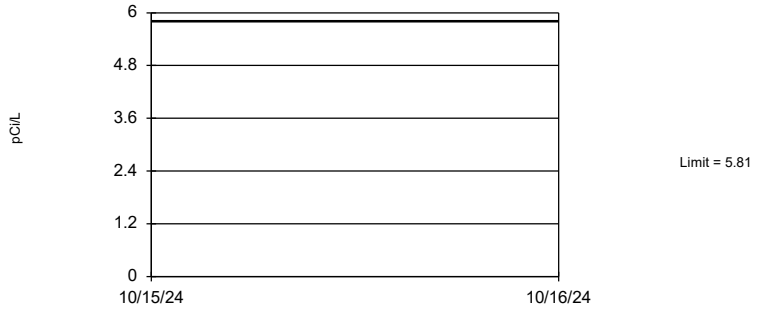
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 90% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Cobalt Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Parametric



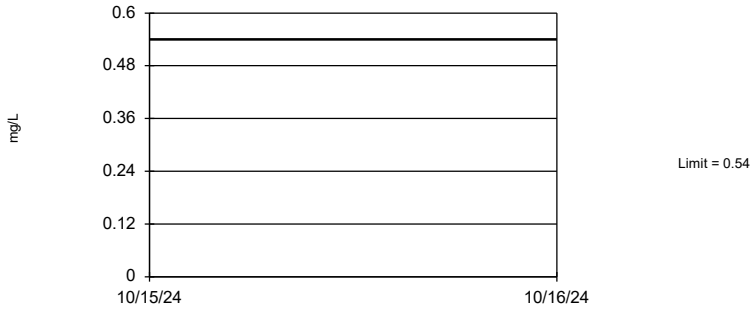
95% coverage. Background Data Summary (based on cube root transformation): Mean=1.081, Std. Dev.=0.3653, n=80, 2.5% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9646, critical = 0.957. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



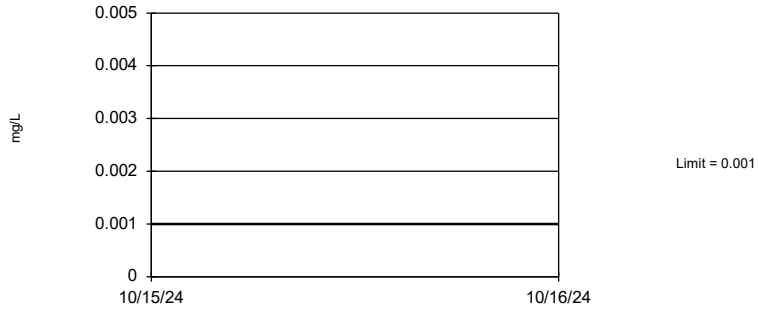
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 20% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Fluoride Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



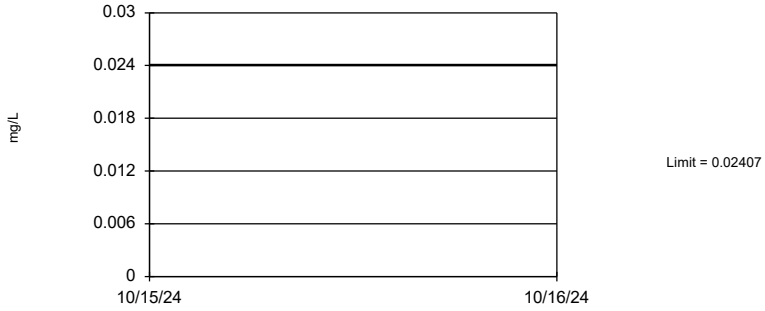
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 97.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Lead Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Parametric



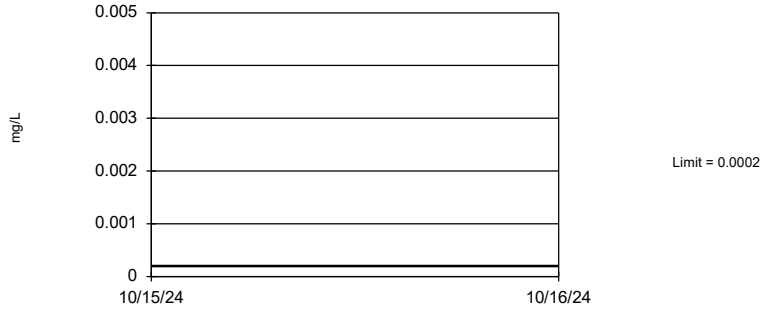
95% coverage. Background Data Summary (based on square root transformation): Mean=0.1024, Std. Dev.=0.02688, n=80, 6.25% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.976, critical = 0.957. Report alpha = 0.05.

Constituent: Lithium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



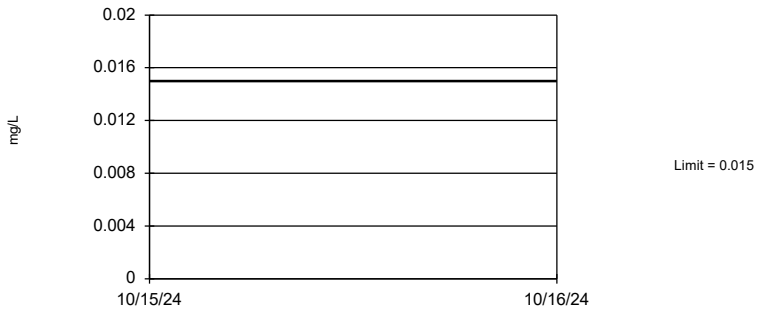
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 76 background values. 97.37% NDs. 93.95% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02028.

Constituent: Mercury Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



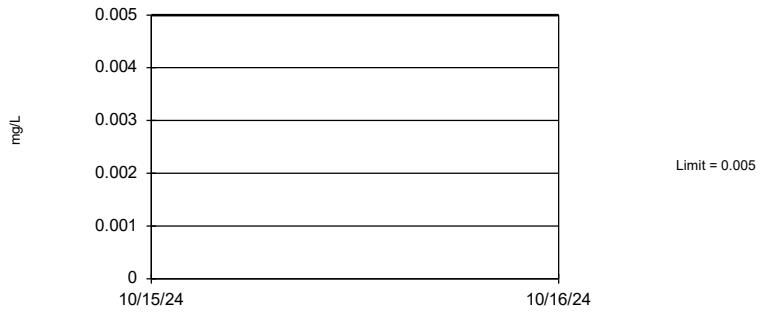
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 97.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Molybdenum Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tolerance Limit

Interwell Non-parametric



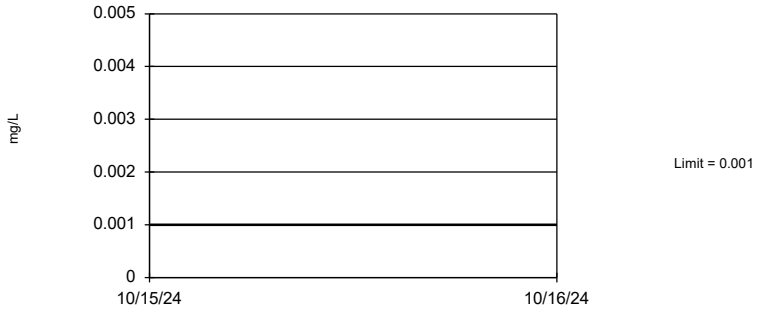
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Selenium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 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 80 background values. 97.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Thallium Analysis Run 12/6/2024 12:43 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE G.

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.81	5.81
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.024	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

FIGURE H.

Confidence Interval Summary Table - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**20**	**0.07815**	**0.03885**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08024**	**0.06231**	**0.01**	**Yes**	**20**	**0.07128**	**0.01579**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2344**	**0.2116**	**0.01**	**Yes**	**20**	**0.223**	**0.02003**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01917**	**0.01195**	**0.01**	**Yes**	**10**	**0.01556**	**0.004045**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.2182**	**0.1477**	**0.01**	**Yes**	**20**	**0.183**	**0.06207**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.06836**	**0.03464**	**0.01**	**Yes**	**20**	**0.0515**	**0.02969**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.603**	**3.087**	**2**	**Yes**	**20**	**3.345**	**0.4548**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.77**	**7.885**	**5.81**	**Yes**	**20**	**9.825**	**3.416**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.15**	**18.1**	**5.81**	**Yes**	**20**	**19.13**	**1.801**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.145**	**7.303**	**5.81**	**Yes**	**10**	**8.224**	**1.032**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.515**	**5.81**	**5.81**	**Yes**	**20**	**6.663**	**1.501**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.101**	**7.061**	**5.81**	**Yes**	**20**	**7.581**	**0.9159**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08244**	**0.06991**	**0.04**	**Yes**	**20**	**0.07618**	**0.01103**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05993**	**0.04837**	**0.04**	**Yes**	**20**	**0.05415**	**0.01018**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08444**	**0.0502**	**0.04**	**Yes**	**10**	**0.06732**	**0.01918**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-5**	**0.05104**	**0.04148**	**0.04**	**Yes**	**20**	**0.0468**	**0.009556**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05756**	**0.05319**	**0.04**	**Yes**	**20**	**0.05538**	**0.003842**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.09**	**0.071**	**0.04**	**Yes**	**20**	**0.08528**	**0.02288**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.3007**	**0.1667**	**0.1**	**Yes**	**10**	**0.2337**	**0.07505**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.4**	**0.1**	**Yes**	**20**	**0.49**	**0.195**	**0**	**None**	**No**	**0.01**	**NP (normality)**

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.002	0.006	No	10	0.001853	0.0004649	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	20	0.00197	0.0001342	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.0014	0.006	No	20	0.0019	0.0003361	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.002	0.006	No	10	0.001875	0.0003953	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	20	0.001933	0.0002996	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**20**	**0.07815**	**0.03885**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01411	0.005232	0.01	No	10	0.00967	0.004975	10	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001512	0.0006508	0.01	No	20	0.002068	0.001676	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	20	0.004163	0.001723	80	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003389	0.002479	0.01	No	10	0.002934	0.0005103	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08024**	**0.06231**	**0.01**	**Yes**	**20**	**0.07128**	**0.01579**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003772	0.002728	0.01	No	10	0.00325	0.0005855	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0076	0.01	No	20	0.01422	0.005051	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005663	0.002923	0.01	No	10	0.004293	0.001536	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2344**	**0.2116**	**0.01**	**Yes**	**20**	**0.223**	**0.02003**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01917**	**0.01195**	**0.01**	**Yes**	**10**	**0.01556**	**0.004045**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005511	0.003933	0.01	No	10	0.004722	0.0008839	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.2182**	**0.1477**	**0.01**	**Yes**	**20**	**0.183**	**0.06207**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.001519	0.0006669	0.01	No	20	0.001214	0.0009032	0	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	**APMW-8**	**0.06836**	**0.03464**	**0.01**	**Yes**	**20**	**0.0515**	**0.02969**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.00388	0.002059	0.01	No	10	0.00297	0.001021	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001402	0.001188	0.01	No	20	0.001295	0.0001877	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.319	0.256	2	No	20	0.2875	0.05543	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03151	0.02053	2	No	10	0.02548	0.008016	10	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.521	1.075	2	No	20	1.298	0.3921	0	None	No	0.01	Param.
Barium (mg/L)	**APMW-2**	**3.603**	**3.087**	**2**	**Yes**	**20**	**3.345**	**0.4548**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06667	0.04129	2	No	10	0.05398	0.01422	0	None	No	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.098	2	No	20	0.1003	0.00916	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.184	0.151	2	No	10	0.1675	0.01845	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.4076	0.2404	2	No	20	0.324	0.1472	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4D	0.24	0.082	2	No	10	0.1437	0.09037	0	None	No	0.011	NP (normality)
Barium (mg/L)	APMW-5	0.1063	0.09758	2	No	20	0.102	0.007702	0	None	No	0.01	Param.
Barium (mg/L)	APMW-5D	0.06124	0.04194	2	No	10	0.05159	0.01082	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.166	0.08683	2	No	10	0.1264	0.04436	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06076	0.04934	2	No	20	0.05505	0.01005	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8322	0.6458	2	No	20	0.739	0.1641	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	20	0.2285	0.02907	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1487	0.08185	2	No	10	0.1153	0.03749	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.506	0.437	2	No	20	0.4715	0.06081	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	20	0.002309	0.0005888	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.0025	0.004	No	10	0.002307	0.0006103	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	20	0.002384	0.0005165	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	20	0.001953	0.0009752	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	20	0.002384	0.0005188	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-4	0.0025	0.00024	0.004	No	20	0.002387	0.0005054	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	20	0.002393	0.0004785	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	20	0.002387	0.0005031	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	20	0.002284	0.000665	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	20	0.002175	0.000795	85	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	20	0.002387	0.0005031	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.0025	0.005	No	10	0.002275	0.0007115	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	20	0.002397	0.0004584	95	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	20	0.002152	0.0008502	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.0012	0.1	No	18	0.002022	0.000349	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.002	0.1	No	10	0.001957	0.000136	90	None	No	0.011	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	18	0.001933	0.000194	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002126	0.001564	0.1	No	18	0.001994	0.0003977	38.89	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-4D	0.002	0.002	0.1	No	10	0.00246	0.001455	90	Kaplan-Meier	No	0.011	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	18	0.001833	0.0003464	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.002	0.0019	0.1	No	10	0.002088	0.0006447	70	Kaplan-Meier	No	0.011	NP (NDs)
Chromium (mg/L)	APMW-7	0.002	0.0014	0.1	No	18	0.001789	0.0003085	55.56	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	18	0.001989	0.0003787	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	20	0.002152	0.000852	85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.0025	0.006	No	10	0.002278	0.000702	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.00042	0.006	No	20	0.001649	0.001073	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.002992	0.002388	0.006	No	20	0.00269	0.000532	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.0025	0.006	No	10	0.002271	0.0007242	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-4	0.00361	0.00296	0.006	No	20	0.003285	0.0005724	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.00745	0.003452	0.006	No	10	0.005451	0.002241	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	20	0.002258	0.0007458	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.00071	0.00027	0.006	No	10	0.000437	0.0002676	0	None	No	0.011	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.0025	0.006	No	10	0.002271	0.0007242	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003393	0.002277	0.006	No	20	0.002835	0.0009832	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	20	0.001389	0.00114	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-8D	0.0025	0.0025	0.006	No	10	0.002371	0.0004079	90	None	No	0.011	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	20	0.002259	0.0007429	90	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.416	2.702	5.81	No	20	3.059	0.6288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.7309	0.2071	5.81	No	10	0.469	0.2935	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.77**	**7.885**	**5.81**	**Yes**	**20**	**9.825**	**3.416**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.15**	**18.1**	**5.81**	**Yes**	**20**	**19.13**	**1.801**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.7998	0.01729	5.81	No	10	0.4041	0.5202	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.819	5.542	5.81	No	20	6.181	1.124	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.13	0.5667	5.81	No	10	0.8486	0.3159	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.412	1.776	5.81	No	20	2.094	0.5595	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.145**	**7.303**	**5.81**	**Yes**	**10**	**8.224**	**1.032**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.532	3.718	5.81	No	20	4.125	0.716	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.7075	0.1157	5.81	No	10	0.4116	0.3317	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.08	0.3695	5.81	No	10	0.725	0.3984	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.28	2.725	5.81	No	20	2.933	0.7164	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.515**	**5.81**	**5.81**	**Yes**	**20**	**6.663**	**1.501**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.968	3.554	5.81	No	20	4.343	1.443	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.079	0.3199	5.81	No	10	0.6992	0.4251	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.101**	**7.061**	**5.81**	**Yes**	**20**	**7.581**	**0.9159**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7633	0.6282	4	No	21	0.6957	0.1225	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2273	0.1667	4	No	10	0.197	0.03401	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.1618	0.1135	4	No	20	0.1783	0.04241	45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-2	0.2	0.07	4	No	20	0.1335	0.0637	30	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2079	0.1521	4	No	10	0.18	0.03127	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4578	0.2476	4	No	21	0.39	0.2052	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1729	0.1311	4	No	10	0.152	0.02348	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.5059	0.3803	4	No	21	0.4252	0.143	9.524	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2191	0.07734	4	No	10	0.1836	0.07551	40	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	20	0.1588	0.067	45	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2032	0.1142	4	No	10	0.1587	0.04986	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2115	0.1385	4	No	10	0.175	0.04089	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.22	0.14	4	No	20	0.5175	1.385	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.1	4	No	21	0.2629	0.391	14.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1	0.73	4	No	21	1.603	3.304	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.1696	0.08562	4	No	10	0.1276	0.04705	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	20	0.1629	0.1669	30	None	No	0.01	NP (normality)

Confidence Interval Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	20	0.0009025	0.0002657	80	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009016	0.0004434	0.015	No	10	0.000787	0.0002808	30	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	20	0.000961	0.0001744	95	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.0002	0.015	No	10	0.0006605	0.0003758	50	None	No	0.011	NP (normality)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	20	0.0009455	0.0001679	90	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	20	0.000981	0.00008497	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.001	0.015	No	10	0.000929	0.0002245	90	None	No	0.011	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	20	0.0009435	0.0001925	85	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.0008683	0.0001267	0.015	No	10	0.000721	0.0005959	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	20	0.000966	0.0001521	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	20	0.001045	0.0002012	95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	20	0.001033	0.0001608	85	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	20	0.000926	0.0002316	90	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01675	0.01014	0.04	No	20	0.01385	0.006819	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01738	0.008239	0.04	No	10	0.01281	0.005123	10	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01787	0.01258	0.04	No	20	0.01545	0.005073	5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03238	0.02552	0.04	No	20	0.02895	0.006048	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.0108	0.008981	0.04	No	10	0.00989	0.001019	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08244**	**0.06991**	**0.04**	**Yes**	**20**	**0.07618**	**0.01103**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01759	0.00893	0.04	No	10	0.01326	0.004851	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05993**	**0.04837**	**0.04**	**Yes**	**20**	**0.05415**	**0.01018**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08444**	**0.0502**	**0.04**	**Yes**	**10**	**0.06732**	**0.01918**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-5**	**0.05104**	**0.04148**	**0.04**	**Yes**	**20**	**0.0468**	**0.009556**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5D	0.00878	0.006842	0.04	No	10	0.007811	0.001086	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.01258	0.006024	0.04	No	10	0.009506	0.004894	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05756**	**0.05319**	**0.04**	**Yes**	**20**	**0.05538**	**0.003842**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004349	0.002808	0.04	No	19	0.004184	0.001469	15.79	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.09**	**0.071**	**0.04**	**Yes**	**20**	**0.08528**	**0.02288**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.007065	0.002538	0.04	No	10	0.0053	0.003026	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-9	0.0048	0.003113	0.04	No	19	0.004426	0.001574	15.79	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	18	0.0001936	0.00002711	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	18	0.0001972	0.00001179	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	18	0.0001941	0.00002522	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	18	0.0001939	0.00002593	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	18	0.0001932	0.00002899	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	18	0.0002083	0.00003536	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.1	0.033	0.1	No	20	0.0712	0.03336	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.0111	0.002987	0.1	No	10	0.007044	0.004547	10	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	20	0.01429	0.003177	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.0038	0.0011	0.1	No	10	0.001957	0.001521	0	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06931	0.05974	0.1	No	20	0.06453	0.008432	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.00072	0.1	No	10	0.00523	0.006756	30	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-4	0.008917	0.005723	0.1	No	20	0.00732	0.002812	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.3007**	**0.1667**	**0.1**	**Yes**	**10**	**0.2337**	**0.07505**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1292	0.07264	0.1	No	20	0.1009	0.04977	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0014	0.0008	0.1	No	10	0.001694	0.002051	10	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003461	0.0009487	0.1	No	10	0.002269	0.001959	10	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.4**	**0.1**	**Yes**	**20**	**0.49**	**0.195**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	20	0.01134	0.005311	65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1468	0.0873	0.1	No	20	0.1171	0.05239	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00086	0.1	No	10	0.005199	0.006765	30	None	No	0.011	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.0011	0.1	No	20	0.0129	0.005138	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	20	0.004315	0.001674	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	20	0.004335	0.001625	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0014	0.05	No	20	0.003423	0.001835	55	None	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

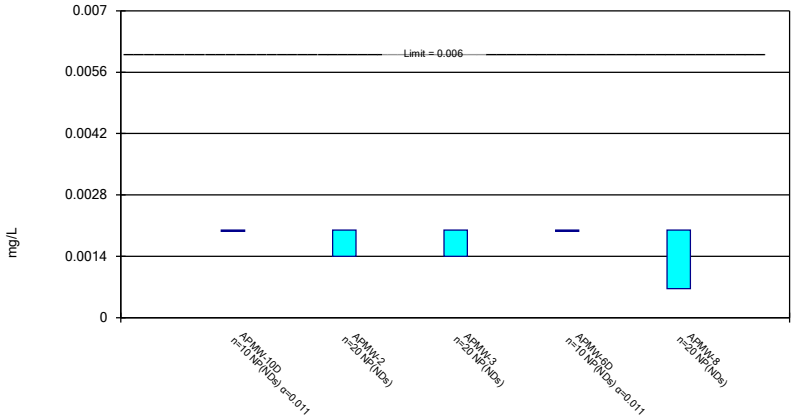
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/6/2024, 12:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	APMW-3D	0.005	0.005	0.05	No	10	0.00462	0.001202	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	20	0.004329	0.001638	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	20	0.004175	0.001703	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-6R	0.005	0.0015	0.05	No	20	0.004825	0.0007826	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.0019	0.05	No	20	0.004155	0.001758	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.0017	0.05	No	20	0.003948	0.001884	75	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0019	0.05	No	20	0.003979	0.001838	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	20	0.0009205	0.0002146	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.001	0.002	No	10	0.000957	0.000136	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	20	0.0009595	0.0001811	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	20	0.000992	0.00003578	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	20	0.000956	0.0001968	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	20	0.000936	0.0002575	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	20	0.000992	0.000222	90	None	No	0.01	NP (NDs)

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

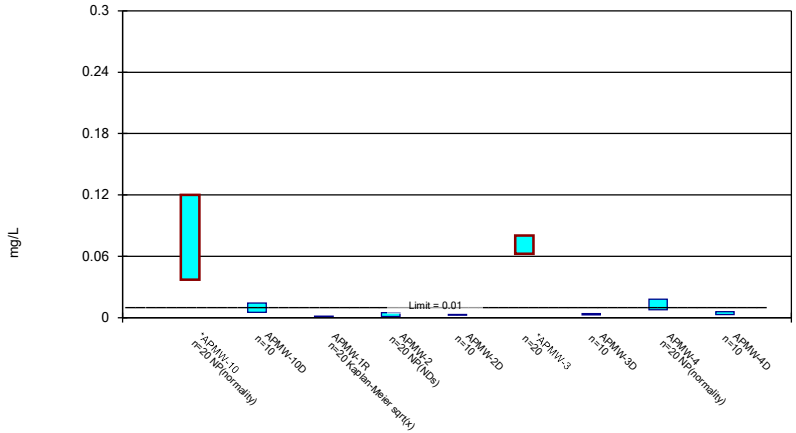


Constituent: Antimony Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

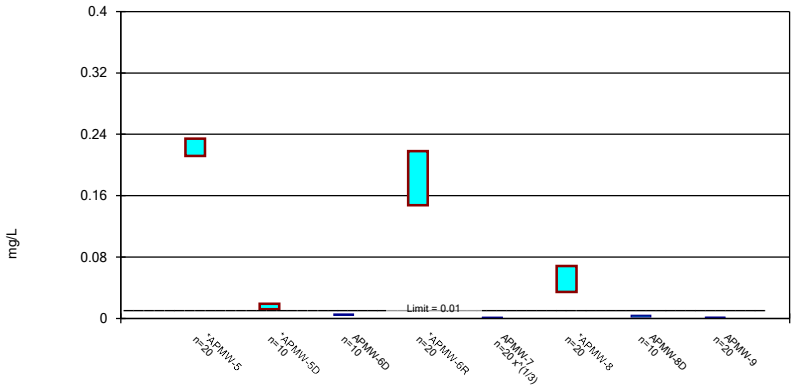


Constituent: Arsenic Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

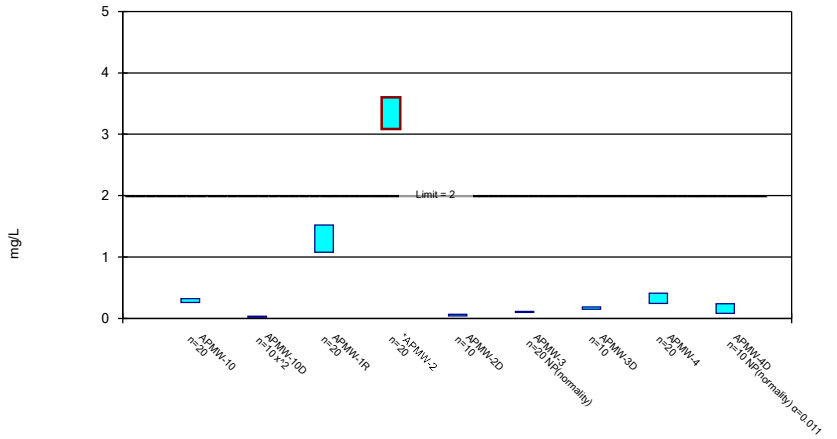


Constituent: Arsenic Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

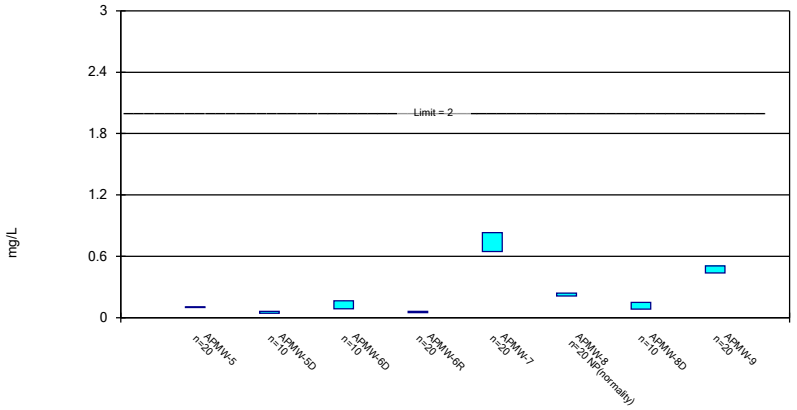


Constituent: Barium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

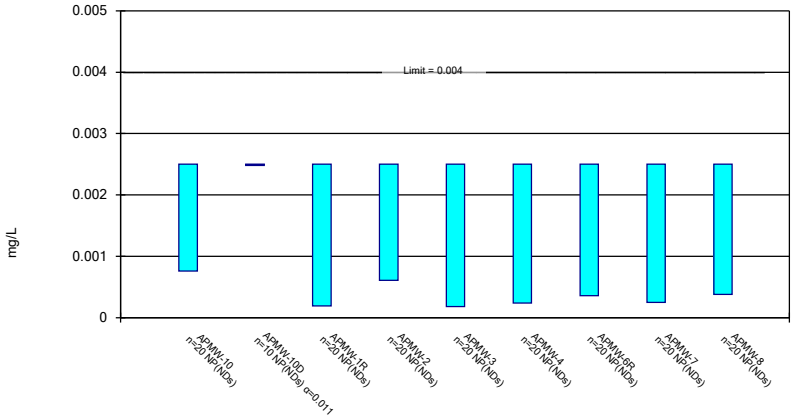


Constituent: Barium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

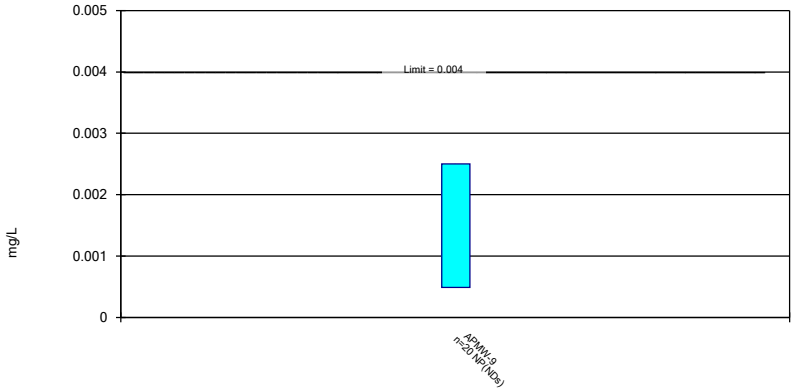


Constituent: Beryllium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

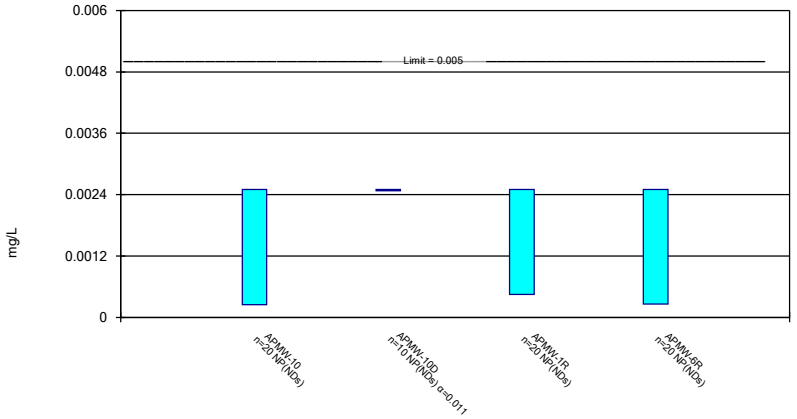


Constituent: Beryllium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

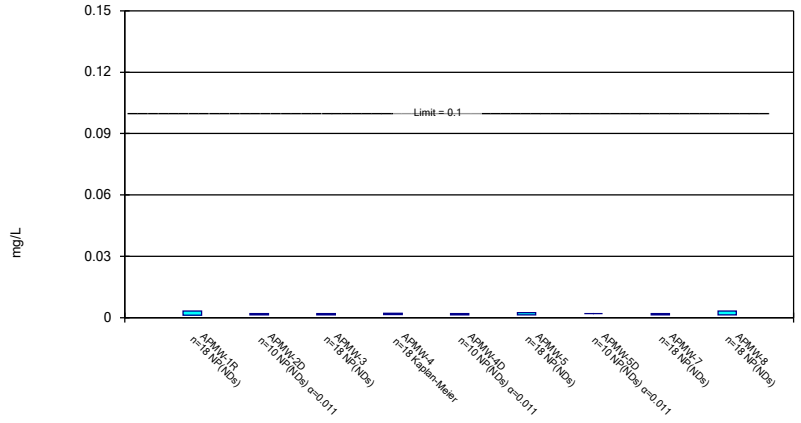


Constituent: Cadmium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

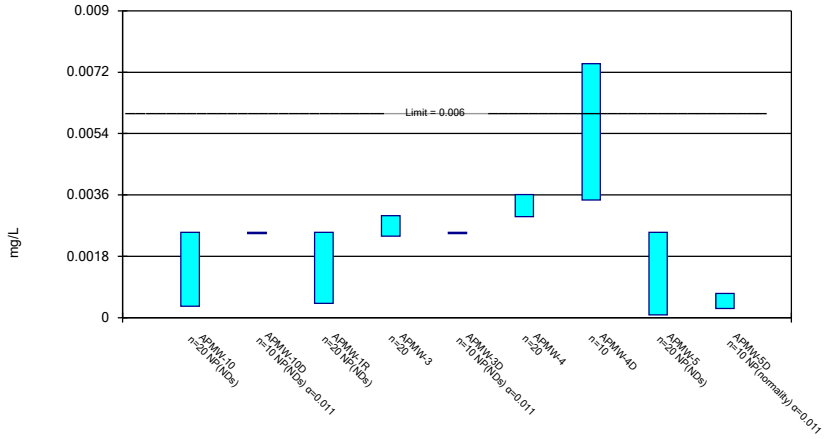


Constituent: Chromium Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

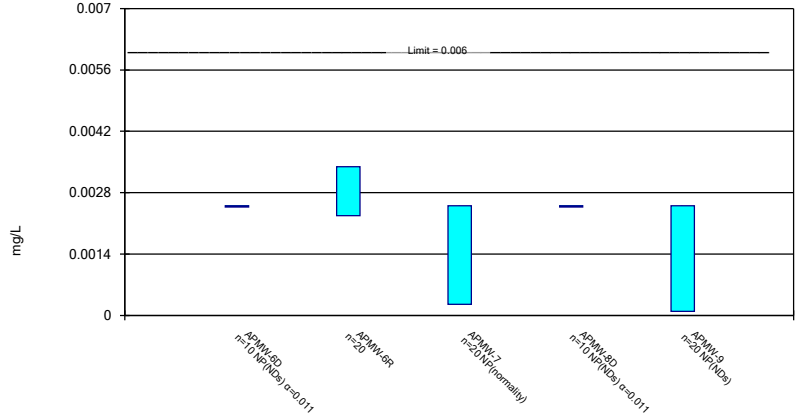


Constituent: Cobalt Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

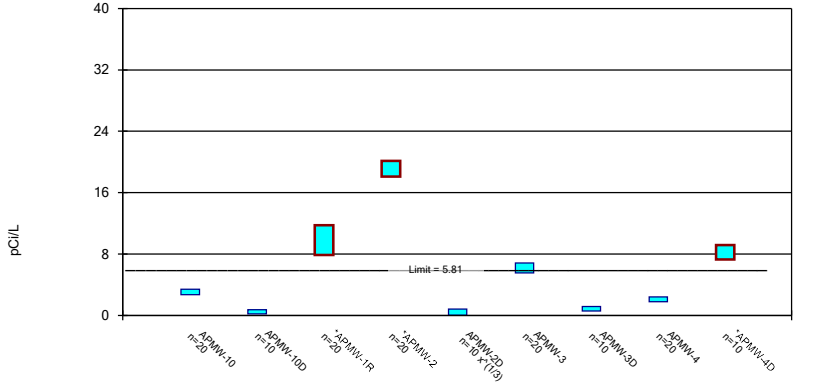


Constituent: Cobalt Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

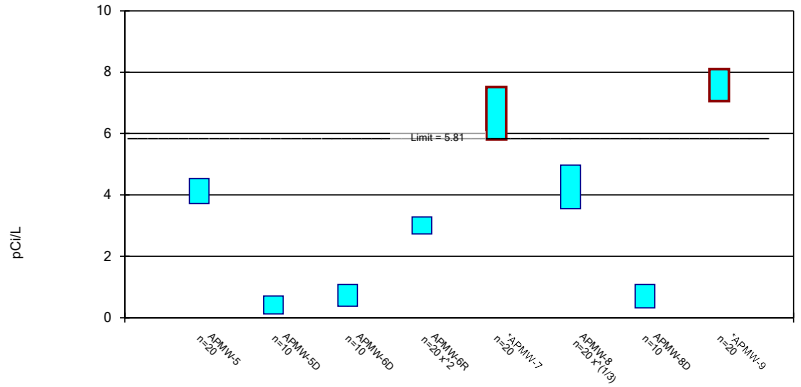


Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 12:51 PM View: Appendix IV - Confide
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

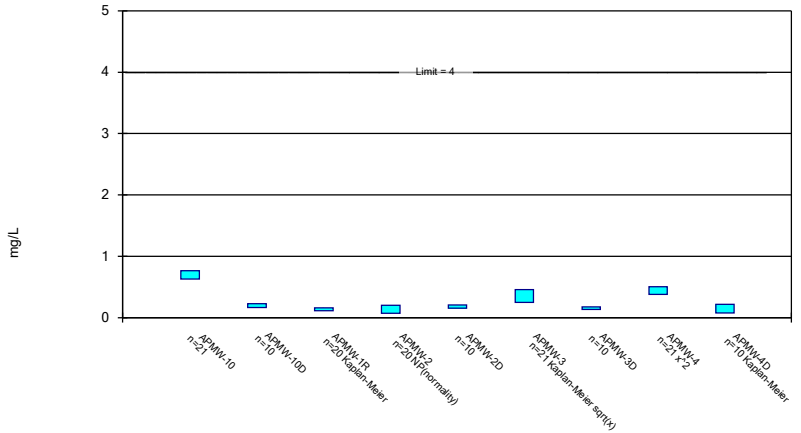


Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confide
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

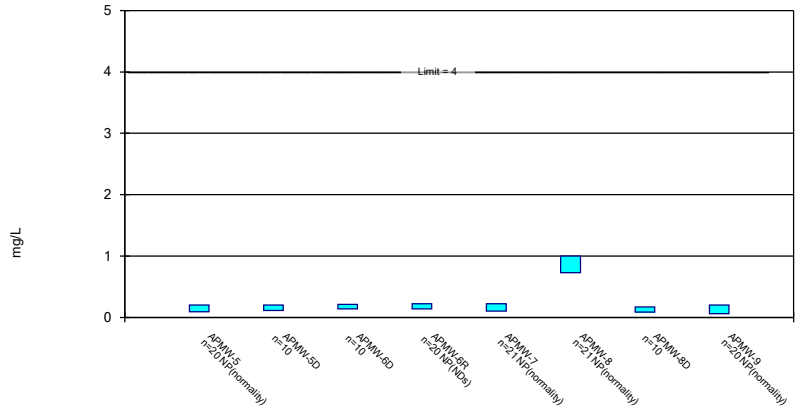


Constituent: Fluoride Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

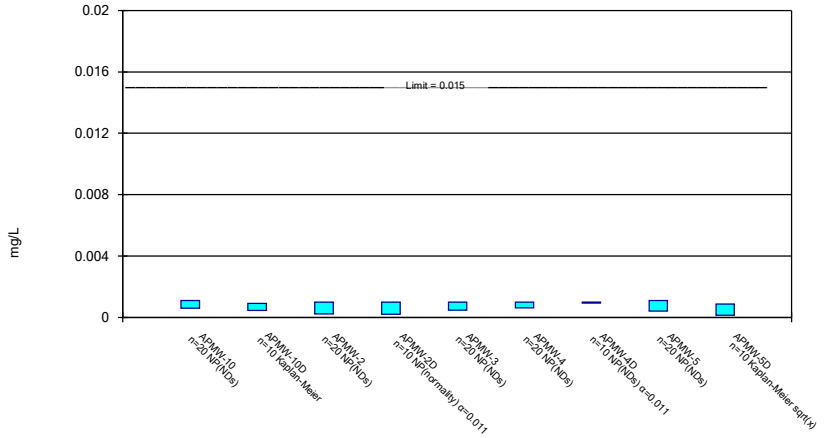


Constituent: Fluoride Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

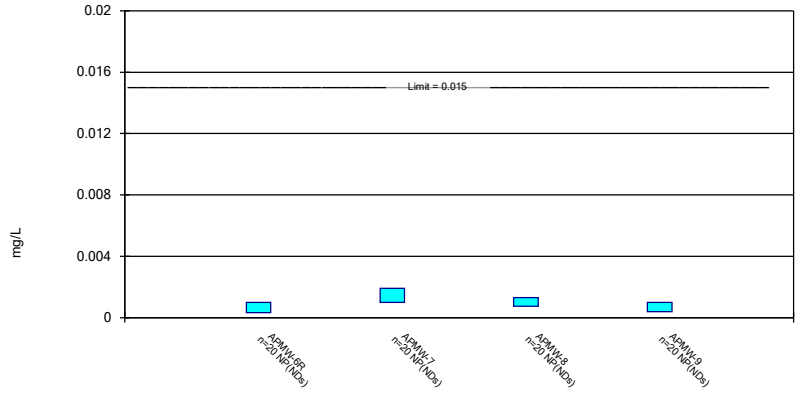


Constituent: Lead Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

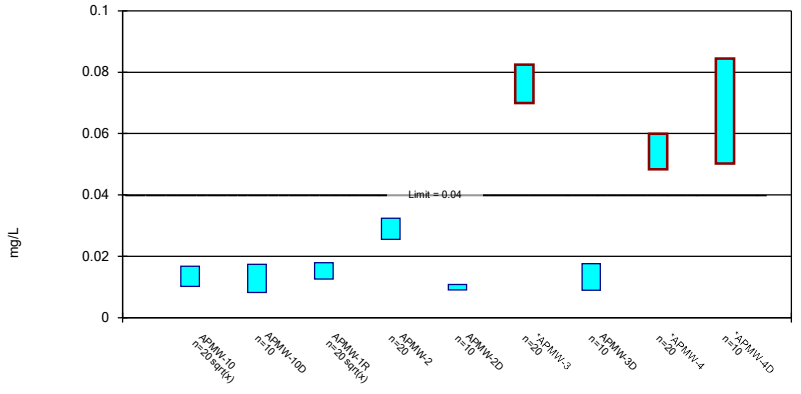


Constituent: Lead Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

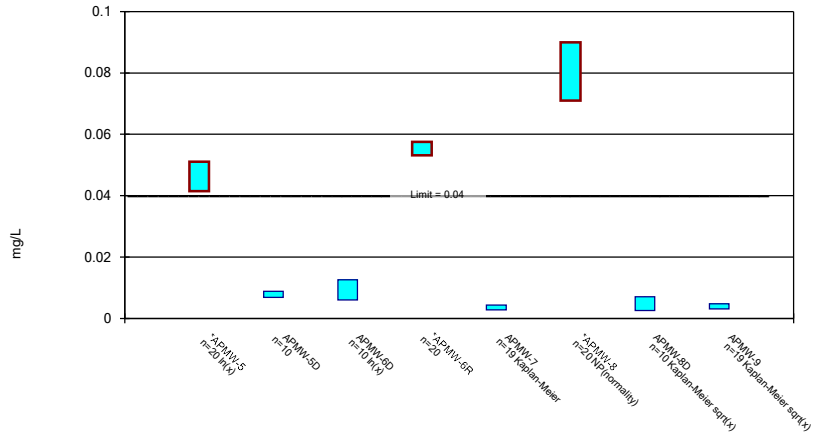


Constituent: Lithium Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

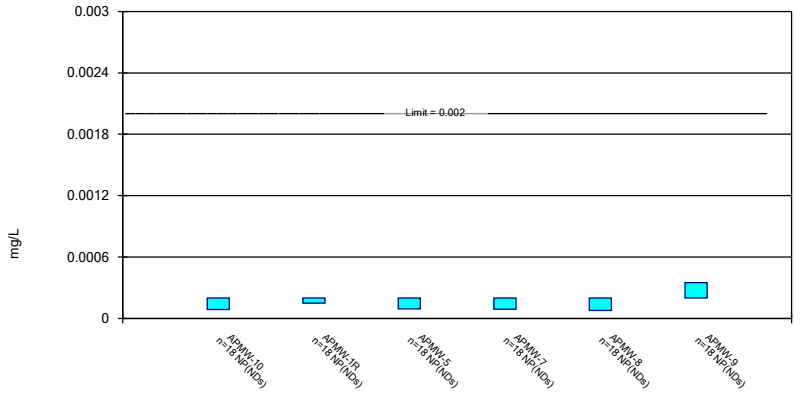


Constituent: Lithium Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

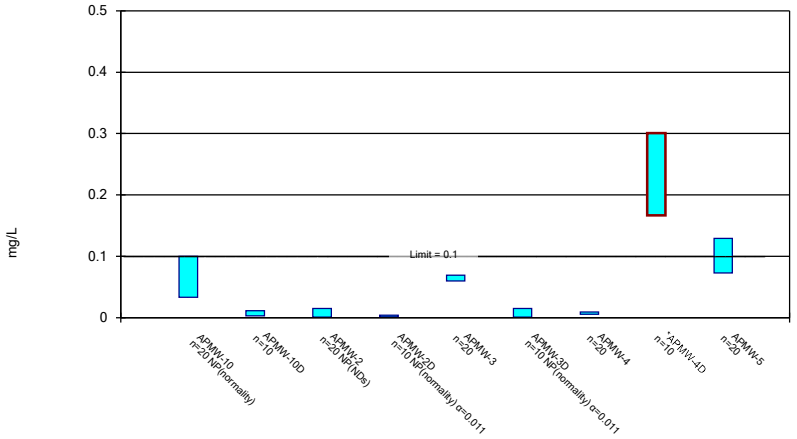


Constituent: Mercury Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

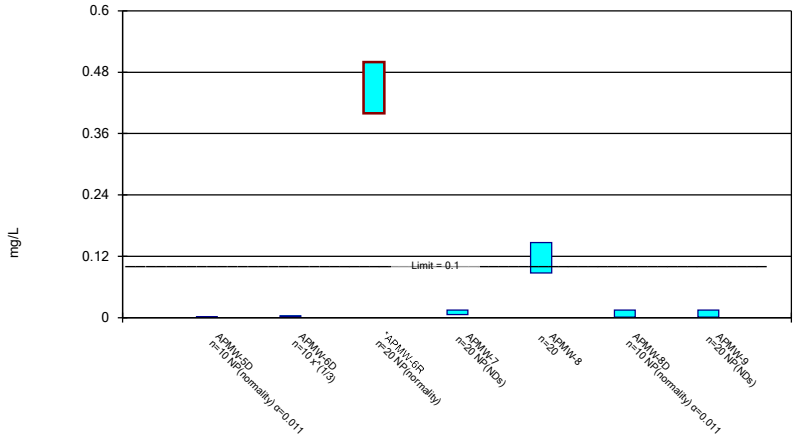


Constituent: Molybdenum Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

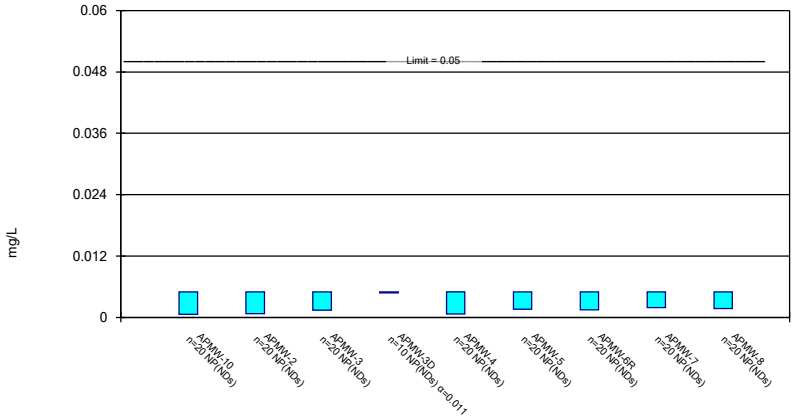


Constituent: Molybdenum Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

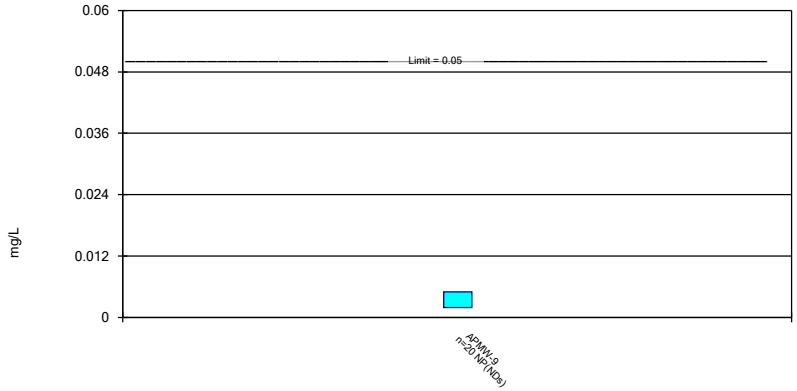


Constituent: Selenium Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.20 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

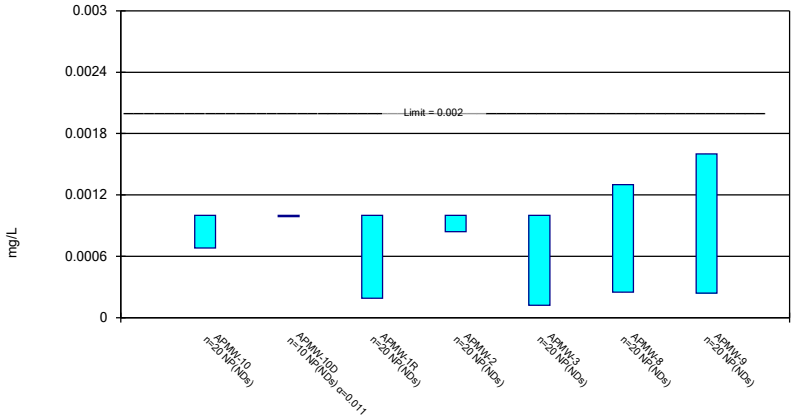


Constituent: Selenium Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 12/6/2024 12:52 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10D	APMW-2	APMW-3	APMW-6D	APMW-8
4/24/2018		<0.002	<0.002		
4/25/2018					<0.002
6/14/2018		<0.002	<0.002		<0.002
7/23/2018					<0.002
7/24/2018		<0.002	<0.002		
9/1/2018		<0.002	<0.002		
9/6/2018					<0.002
10/1/2018		<0.002	<0.002		
10/2/2018					<0.002
11/1/2018					<0.002
11/2/2018		<0.002	<0.002		
12/6/2018					<0.002
12/7/2018		<0.002	<0.002		
2/13/2019		<0.002	<0.002		<0.002
8/8/2019		0.0014 (J)	<0.002		
8/9/2019					<0.002
8/30/2019		<0.002	<0.002		<0.002
3/16/2020		<0.002	<0.002		
3/17/2020					<0.002
7/13/2020	<0.002				
7/14/2020				<0.002	
11/5/2020		<0.002	<0.002		
11/9/2020					<0.002
11/10/2020				<0.002	
11/20/2020	<0.002				
3/8/2021	<0.002	<0.002			
3/9/2021			<0.002		<0.002
3/10/2021				<0.002	
10/12/2021	<0.002	<0.002			
10/14/2021				<0.002	
10/21/2021			<0.002		<0.002
4/5/2022	<0.002	<0.002	<0.002		
4/6/2022					0.00066 (J)
4/7/2022				0.00075 (J)	
10/17/2022		<0.002			
10/18/2022	0.00053 (J)		0.00059 (J)		<0.002
10/19/2022				<0.002	
3/8/2023		<0.002	<0.002		
3/9/2023				<0.002	<0.002
3/13/2023	<0.002				
10/19/2023		<0.002	<0.002		
10/20/2023				<0.002	<0.002
10/21/2023	<0.002				
3/25/2024		<0.002	<0.002		
3/28/2024				<0.002	<0.002
3/29/2024	<0.002				
10/16/2024	<0.002	<0.002			
10/17/2024			0.0014 (J)	<0.002	<0.002
Mean	0.001853	0.00197	0.0019	0.001875	0.001933
Std. Dev.	0.0004649	0.0001342	0.0003361	0.0003953	0.0002996
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.002	0.0014	0.0014	0.002	0.00066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.00077 (J)		0.084		0.019	
4/25/2018	0.13								
6/13/2018	0.11								
6/14/2018				<0.005		0.081		0.018	
7/23/2018	0.13								
7/24/2018				<0.005		0.093		0.018	
9/1/2018	0.12			<0.005		0.099		0.017	
10/1/2018				0.00094 (J)		0.077		0.017	
10/2/2018	0.11								
11/1/2018	0.11								
11/2/2018				0.0012 (J)		0.067		0.018	
12/6/2018	0.12							0.018	
12/7/2018				<0.005		0.063			
2/13/2019	0.098			<0.005		0.065		0.019	
3/16/2019			0.0021						
3/27/2019			0.0019						
4/3/2019			0.0019						
4/15/2019			0.0025						
5/2/2019			0.0019						
5/14/2019			0.0027						
5/28/2019			<0.005						
6/12/2019			0.0023						
8/8/2019	0.11		0.0012	0.00035 (J)		0.074			
8/9/2019								0.018	
8/30/2019	0.079		0.0011	<0.005		0.07		0.016	
3/16/2020			0.00085 (J)	<0.005		0.071		0.017	
3/17/2020	0.093								
7/11/2020					0.00374				
7/13/2020		0.0116					0.002		
7/14/2020									0.00773
11/4/2020			0.00069 (J)						
11/5/2020				<0.005	0.0033	0.064			
11/9/2020							0.0033	0.018	0.0043
11/20/2020	0.072	0.019							
3/8/2021	0.047	0.01	0.0005 (J)	<0.005	0.0032				
3/9/2021						0.042	0.0035	0.016	0.0059
10/11/2021							0.0037		
10/12/2021	0.028	0.011	<0.005	<0.005	0.0027				
10/14/2021								0.012	0.0046
10/21/2021						0.0445 (D)			
4/4/2022			0.0004 (J)						
4/5/2022	0.039	0.016		<0.005	0.0029	0.047	0.0028		0.0044
4/6/2022								0.011	
10/17/2022			0.00031 (J)	<0.005					
10/18/2022	0.037	0.0054			0.0028	0.061	0.0037		0.0028
10/19/2022								0.0073	
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072	0.0027	0.0075	0.0031
3/13/2023	0.032	<0.005							
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096	0.0033 (J)	0.0076 (J)	0.0039 (J)
10/21/2023	0.037	0.007 (J)							
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072			
3/26/2024							0.0039	0.0041	0.0033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.032	0.007							
10/16/2024	0.029	0.0072 (J)	<0.005	<0.005	0.002 (J)				
10/17/2024						0.083	0.0036 (J)	0.0059 (J)	0.0029 (J)
Mean	0.07815	0.00967	0.002068	0.004163	0.002934	0.07128	0.00325	0.01422	0.004293
Std. Dev.	0.03885	0.004975	0.001676	0.001723	0.0005103	0.01579	0.0005855	0.005051	0.001536
Upper Lim.	0.12	0.01411	0.001512	0.005	0.003389	0.08024	0.003772	0.018	0.005663
Lower Lim.	0.037	0.005232	0.0006508	0.0012	0.002479	0.06231	0.002728	0.0076	0.002923

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.24				0.0021	0.097		0.0016
6/13/2018								0.001 (J)
6/14/2018	0.22				0.0015	0.089		
7/23/2018						0.094		0.0011 (J)
7/24/2018	0.23				0.0015			
9/1/2018	0.22							
9/6/2018					0.0013	0.082		0.0011 (J)
10/2/2018	0.21				0.0014	0.075		0.0015
11/1/2018						0.081		0.0014
11/2/2018	0.26				0.0028			
12/6/2018	0.23				0.0033	0.079		0.0016
2/13/2019	0.23				0.0012 (J)	0.077		0.0013
4/5/2019				0.13 (D)				
4/15/2019				0.13				
5/2/2019				0.089				
5/14/2019				0.13				
5/29/2019				0.12				
6/12/2019				0.13				
6/19/2019				0.16				
6/25/2019				0.13				
8/8/2019								0.0012
8/9/2019	0.24			0.16	0.00053 (J)	0.052		
8/30/2019	0.2			0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.21			0.18	0.00053 (J)	0.043		0.001
7/13/2020							0.000995 (J)	
7/14/2020			0.00412					
7/30/2020		0.00958						
11/9/2020	0.26	0.012				0.036		
11/10/2020			0.0041		0.00058 (J)		0.0034	
11/20/2020				0.18				0.0012
3/8/2021								0.0015
3/9/2021	0.21	0.013		0.21	0.00045 (J)	0.035	0.0045	
3/10/2021			0.0045					
10/11/2021		0.013						
10/12/2021	0.21				0.00044 (J)		0.0044	0.0013
10/14/2021			0.0055					
10/20/2021				0.2 (D)				
10/21/2021						0.026 (D)		
4/6/2022	0.21	0.016			0.00048 (J)	0.023	0.0028	0.0013
4/7/2022			0.0052	0.21				
10/18/2022					0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.18	0.014	0.0031	0.21				
3/9/2023	0.22	0.016	0.0041	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023								0.0014
10/20/2023	0.25	0.022	0.0055 (J)	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
3/26/2024	0.21	0.019		0.3	0.00068 (J)		0.0031	
3/28/2024			0.0051			0.019		0.0012
10/16/2024								0.0015 (J)
10/17/2024	0.22	0.021	0.006 (J)	0.31	0.0029 (J)	0.025	0.0029 (J)	
Mean	0.223	0.01556	0.004722	0.183	0.001214	0.0515	0.00297	0.001295
Std. Dev.	0.02003	0.004045	0.0008839	0.06207	0.0009032	0.02969	0.001021	0.0001877
Upper Lim.	0.2344	0.01917	0.005511	0.2182	0.001519	0.06836	0.00388	0.001402

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Lower Lim.	0.2116	0.01195	0.003933	0.1477	0.0006669	0.03464	0.002059	0.001188

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				2.8		0.097		0.46	
4/25/2018	0.26								
6/13/2018	0.3								
6/14/2018				3.1		0.11		0.5	
7/23/2018	0.24								
7/24/2018				3		0.1		0.54	
9/1/2018	0.25			2.9		0.12		0.53	
10/1/2018				4		0.1		0.5	
10/2/2018	0.23								
11/1/2018	0.23								
11/2/2018				3.1		0.1		0.5	
12/6/2018	0.24							0.43	
12/7/2018				3.3		0.11			
2/13/2019	0.26			2.9		0.1		0.45	
3/16/2019			0.89						
3/27/2019			1.1						
4/3/2019			1.1						
4/15/2019			0.98						
5/2/2019			0.94						
5/14/2019			1						
5/28/2019			1						
6/12/2019			0.91						
8/8/2019	0.24		0.93	3.2		0.1			
8/9/2019								0.33	
8/30/2019	0.2		0.91	2.7		0.1		0.29	
3/16/2020			1.2	3.2		0.1		0.27	
3/17/2020	0.25								
7/11/2020					0.0418				
7/13/2020		0.0358					0.135		
7/14/2020									0.342
11/4/2020			1.4						
11/5/2020				3.2	0.038	0.1			
11/9/2020							0.14	0.23	0.24
11/20/2020	0.27	0.032							
3/8/2021	0.32	0.026	1.3	3.3	0.037				
3/9/2021						0.1	0.16	0.22	0.21
10/11/2021							0.18		
10/12/2021	0.34	0.027	1.5	3.3	0.04				
10/14/2021								0.21	0.13
10/21/2021						0.095			
4/4/2022			1.6						
4/5/2022	0.37	0.027		3.6	0.049	0.098	0.18		0.097
4/6/2022								0.17	
10/17/2022			1.7	3.4					
10/18/2022	0.37	0.027			0.067	0.096	0.19		0.088
10/19/2022								0.23	
3/8/2023			1.8	3.6	0.06	0.11	0.16	0.17	0.083
3/13/2023	0.38	<0.01							
10/19/2023			1.9	3.9	0.068	0.071	0.18	0.16	0.088
10/21/2023	0.32	0.026							
3/25/2024			1.6	3.9	0.066	0.099			
3/26/2024							0.17	0.14	0.082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.34	0.025							
10/16/2024	0.34	0.024 (J)	2.2	4.5	0.073				
10/17/2024						0.1	0.18	0.15	0.077
Mean	0.2875	0.02548	1.298	3.345	0.05398	0.1003	0.1675	0.324	0.1437
Std. Dev.	0.05543	0.008016	0.3921	0.4548	0.01422	0.00916	0.01845	0.1472	0.09037
Upper Lim.	0.319	0.03151	1.521	3.603	0.06667	0.11	0.184	0.4076	0.24
Lower Lim.	0.256	0.02053	1.075	3.087	0.04129	0.098	0.151	0.2404	0.082

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.093				0.66	0.2		0.42
6/13/2018								0.45
6/14/2018	0.11				0.74	0.22		
7/23/2018						0.2		0.42
7/24/2018	0.093				0.72			
9/1/2018	0.1							
9/6/2018					0.79	0.22		0.45
10/2/2018	0.1				0.93	0.21		0.43
11/1/2018						0.21		0.43
11/2/2018	0.12				1.1			
12/6/2018	0.1				0.7	0.22		0.44
2/13/2019	0.1				0.59	0.23		0.44
4/5/2019				0.071 (D)				
4/15/2019				0.067				
5/2/2019				0.071				
5/14/2019				0.068				
5/29/2019				0.067 (J)				
6/12/2019				0.064 (J)				
6/19/2019				0.059 (J)				
6/25/2019				0.057 (J)				
8/8/2019								0.42
8/9/2019	0.11			0.058	0.76	0.2		
8/30/2019	0.086			0.052	0.56	0.2		0.42
3/17/2020	0.1			0.05	0.53	0.21		0.49
7/13/2020							0.192	
7/14/2020			0.107					
7/30/2020		0.0659						
11/9/2020	0.1	0.069				0.23		
11/10/2020			0.077		0.77		0.12	
11/20/2020				0.048				0.48
3/8/2021								0.47
3/9/2021	0.1	0.059		0.055	0.53	0.22	0.15	
3/10/2021			0.087					
10/11/2021		0.052						
10/12/2021	0.1				0.97		0.14	0.49
10/14/2021			0.1					
10/20/2021				0.048				
10/21/2021						0.23		
4/6/2022	0.11	0.053			0.61	0.24	0.12	0.52
4/7/2022			0.13	0.043 (J)				
10/18/2022					0.97	0.24	0.1	0.5
10/19/2022	0.1	0.053	0.073	0.044				
3/9/2023	0.11	0.043	0.15	0.046	0.65	0.3	0.1	
3/13/2023								0.55
10/20/2023	0.11	0.044	0.16	0.048	0.7	0.3	0.082	0.4
3/26/2024	0.097	0.041		0.042	0.58		0.075	
3/28/2024			0.19			0.23		0.64
10/16/2024								0.57
10/17/2024	0.1	0.036	0.19	0.043	0.92	0.26	0.074	
Mean	0.102	0.05159	0.1264	0.05505	0.739	0.2285	0.1153	0.4715
Std. Dev.	0.007702	0.01082	0.04436	0.01005	0.1641	0.02907	0.03749	0.06081
Upper Lim.	0.1063	0.06124	0.166	0.06076	0.8322	0.24	0.1487	0.506

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Lower Lim.	0.09758	0.04194	0.08683	0.04934	0.6458	0.21	0.08185	0.437

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-4	APMW-6R	APMW-7	APMW-8
4/24/2018				<0.0025	<0.0025	<0.0025			
4/25/2018	<0.0025							<0.0025	<0.0025
6/13/2018	<0.0025								
6/14/2018				<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
7/23/2018	<0.0025								<0.0025
7/24/2018				<0.0025	<0.0025	<0.0025		<0.0025	
9/1/2018	<0.0025			<0.0025	<0.0025	<0.0025			
9/6/2018								<0.0025	<0.0025
10/1/2018				<0.0025	<0.0025	<0.0025			
10/2/2018	<0.0025							<0.0025	<0.0025
11/1/2018	<0.0025								<0.0025
11/2/2018				<0.0025	<0.0025	<0.0025		<0.0025	
12/6/2018	<0.0025					<0.0025		<0.0025	<0.0025
12/7/2018				<0.0025	<0.0025				
2/13/2019	<0.0025			<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
3/16/2019			<0.0025						
3/27/2019			<0.0025						
4/3/2019			<0.0025						
4/5/2019							<0.0025 (D)		
4/15/2019			<0.0025				<0.0025		
5/2/2019			<0.0025				<0.0025		
5/14/2019			<0.0025				<0.0025		
5/28/2019			<0.0025						
5/29/2019							<0.0025		
6/12/2019			<0.0025				<0.0025		
6/19/2019							<0.0025		
6/25/2019							<0.0025		
8/8/2019	<0.0025		<0.0025	0.00061 (J)	<0.0025				
8/9/2019						<0.0025	<0.0025	<0.0025	<0.0025
8/30/2019	0.00043 (J)		0.00019 (J)	0.00023 (J)	0.00018 (J)	<0.0025	0.00036 (J)	0.00025 (J)	0.00038 (J)
3/16/2020			<0.0025	<0.0025	<0.0025	<0.0025			
3/17/2020	<0.0025						<0.0025	<0.0025	<0.0025
7/13/2020		<0.0025							
11/4/2020			<0.0025						
11/5/2020				<0.0025	<0.0025				
11/9/2020						<0.0025			<0.0025
11/10/2020								<0.0025	
11/20/2020	<0.0025	<0.0025					<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)	<0.0025	0.00018 (J)					
3/9/2021					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	
10/14/2021						<0.0025			
10/20/2021							<0.0025		
10/21/2021					<0.0025				<0.0025
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		<0.0025	<0.0025				
4/6/2022						<0.0025		<0.0025	<0.0025
4/7/2022							<0.0025		
10/17/2022			<0.0025	<0.0025					
10/18/2022	<0.0025	<0.0025			<0.0025			<0.0025	<0.0025
10/19/2022						<0.0025	<0.0025		
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-4	APMW-6R	APMW-7	APMW-8
3/9/2023							<0.0025	<0.0025	0.0003 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025			
10/20/2023							<0.0025	<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025							
3/25/2024			<0.0025	<0.0025	<0.0025				
3/26/2024						<0.0025	<0.0025	<0.0025	
3/28/2024									<0.0025
3/29/2024	<0.0025	<0.0025							
10/16/2024	<0.0025	<0.0025	<0.0025	0.00024 (J)					
10/17/2024					<0.0025	0.00024 (J)	<0.0025	<0.0025	<0.0025
Mean	0.002309	0.002307	0.002384	0.001953	0.002384	0.002387	0.002393	0.002387	0.002284
Std. Dev.	0.0005888	0.0006103	0.0005165	0.0009752	0.0005188	0.0005054	0.0004785	0.0005031	0.000665
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00076	0.0025	0.00019	0.00061	0.00018	0.00024	0.00036	0.00025	0.00038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-9
4/25/2018	<0.0025
6/13/2018	<0.0025
7/23/2018	<0.0025
9/6/2018	<0.0025
10/2/2018	<0.0025
11/1/2018	<0.0025
12/6/2018	<0.0025
2/13/2019	<0.0025
8/8/2019	<0.0025
8/30/2019	0.00049 (J)
3/17/2020	<0.0025
11/20/2020	<0.0025
3/8/2021	0.00024 (J)
10/12/2021	<0.0025
4/6/2022	<0.0025
10/18/2022	<0.0025
3/13/2023	0.00027 (J)
10/20/2023	<0.0025
3/28/2024	<0.0025
10/16/2024	<0.0025
Mean	0.002175
Std. Dev.	0.000795
Upper Lim.	0.0025
Lower Lim.	0.00049

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
4/25/2018	<0.0025			
6/13/2018	<0.0025			
7/23/2018	<0.0025			
9/1/2018	<0.0025			
10/2/2018	<0.0025			
11/1/2018	<0.0025			
12/6/2018	<0.0025			
2/13/2019	<0.0025			
3/16/2019			<0.0025	
3/27/2019			<0.0025	
4/3/2019			<0.0025	
4/5/2019				<0.0025 (D)
4/15/2019			0.00045 (J)	<0.0025
5/2/2019			<0.0025	<0.0025
5/14/2019			<0.0025	<0.0025
5/28/2019			<0.0025	
5/29/2019				<0.0025
6/12/2019			<0.0025	<0.0025
6/19/2019				<0.0025
6/25/2019				<0.0025
8/8/2019	<0.0025		<0.0025	
8/9/2019				0.00014 (J)
8/30/2019	<0.0025		<0.0025	0.00026 (J)
3/16/2020			<0.0025	
3/17/2020	<0.0025			<0.0025
7/13/2020		<0.0025		
11/4/2020			<0.0025	
11/20/2020	<0.0025	<0.0025		<0.0025
3/8/2021	0.00025 (J)	0.00025 (J)	<0.0025	
3/9/2021				<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	
10/20/2021				<0.0025
4/4/2022			<0.0025	
4/5/2022	<0.0025	<0.0025		
4/7/2022				<0.0025
10/17/2022			<0.0025	
10/18/2022	<0.0025	<0.0025		
10/19/2022				<0.0025
3/8/2023			<0.0025	
3/9/2023				<0.0025
3/13/2023	<0.0025	<0.0025		
10/19/2023			<0.0025	
10/20/2023				<0.0025
10/21/2023	<0.0025	<0.0025		
3/25/2024			<0.0025	
3/26/2024				<0.0025
3/29/2024	<0.0025	<0.0025		
10/16/2024	<0.0025	<0.0025	<0.0025	
10/17/2024				0.00014 (J)
Mean	0.002387	0.002275	0.002397	0.002152
Std. Dev.	0.0005031	0.0007115	0.0004584	0.0008502
Upper Lim.	0.0025	0.0025	0.0025	0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
Lower Lim.	0.00025	0.0025	0.00045	0.00026

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
4/24/2018			<0.002	0.0016 (J)					
4/25/2018						0.0013 (J)		0.0014 (J)	<0.002
6/14/2018			<0.002	0.002 (J)		0.0012 (J)		0.0014 (J)	0.0032
7/23/2018									<0.002
7/24/2018			<0.002	0.0022 (J)		<0.002		0.0014 (J)	
9/1/2018			0.0014 (J)	0.0025		0.0024 (J)			
9/6/2018								0.0017 (J)	0.0014 (J)
10/1/2018			<0.002	0.0028					
10/2/2018						0.0015 (J)		0.0013 (J)	<0.002
11/1/2018									<0.002
11/2/2018			<0.002	0.0026		0.0014 (J)		0.0014 (J)	
12/6/2018				0.0012 (J)		<0.002		<0.002	<0.002
12/7/2018			<0.002						
2/13/2019			<0.002	0.0013 (J)		<0.002		<0.002	<0.002
3/16/2019	<0.002								
3/27/2019	<0.002								
4/3/2019	<0.002								
4/15/2019	<0.002								
5/2/2019	<0.002								
5/14/2019	<0.002								
5/28/2019	<0.002								
6/12/2019	0.0032								
8/8/2019	<0.002		<0.002						
8/9/2019				<0.002		<0.002		<0.002	<0.002
7/11/2020		0.00157 (J)							
7/14/2020					<0.002				
7/30/2020							0.00378		
11/4/2020	<0.002								
11/5/2020		<0.002	<0.002						
11/9/2020				<0.002	<0.002	<0.002	0.0019 (J)		<0.002
11/10/2020								<0.002	
3/8/2021	<0.002	<0.002							
3/9/2021			<0.002	<0.002	<0.002	<0.002	<0.002	0.0022	<0.002
10/11/2021							<0.002		
10/12/2021	<0.002	<0.002				<0.002		<0.002	
10/14/2021				<0.002	<0.002				
10/21/2021			<0.002						<0.002
4/4/2022	<0.002								
4/5/2022		<0.002	<0.002		<0.002				
4/6/2022				<0.002		<0.002	<0.002	<0.002	<0.002
10/17/2022	<0.002								
10/18/2022		<0.002	<0.002		<0.002			<0.002	<0.002
10/19/2022				0.0021		<0.002	<0.002		
3/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002				
3/9/2023						<0.002	<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002	0.0017 (J)	<0.002				
10/20/2023						0.0012 (J)	<0.002	<0.002	<0.002
3/25/2024	<0.002	<0.002	<0.002						
3/26/2024				<0.002	0.0066	<0.002	<0.002	<0.002	
3/28/2024									<0.002
10/16/2024	0.0012 (J)	<0.002							
10/17/2024			0.0014 (J)	0.0019 (J)	<0.002	<0.002	0.0012 (J)	0.0014 (J)	0.0012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
Mean	0.002022	0.001957	0.001933	0.001994	0.00246	0.001833	0.002088	0.001789	0.001989
Std. Dev.	0.000349	0.000136	0.000194	0.0003977	0.001455	0.0003464	0.0006447	0.0003085	0.0003787
Upper Lim.	0.0032	0.002	0.002	0.002126	0.002	0.0024	0.002	0.002	0.0032
Lower Lim.	0.0012	0.002	0.0014	0.001564	0.002	0.0014	0.0019	0.0014	0.0014

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018				0.0026		0.0033			
4/25/2018	<0.0025							<0.0025	
6/13/2018	<0.0025								
6/14/2018				0.0023 (J)		0.0032		<0.0025	
7/23/2018	<0.0025								
7/24/2018				0.0026		0.0036		<0.0025	
9/1/2018	<0.0025			0.0023 (J)		0.0039		<0.0025	
10/1/2018				0.0028		0.0029			
10/2/2018	<0.0025							<0.0025	
11/1/2018	<0.0025								
11/2/2018				0.0027		0.0034		<0.0025	
12/6/2018	<0.0025					0.0032		<0.0025	
12/7/2018				0.0028					
2/13/2019	<0.0025			0.0028		0.0043		<0.0025	
3/16/2019			0.00057 (J)						
3/27/2019			0.00044 (J)						
4/3/2019			0.0004 (J)						
4/15/2019			0.00042 (J)						
5/2/2019			<0.0025						
5/14/2019			0.00044 (J)						
5/28/2019			<0.0025						
6/12/2019			0.00037 (J)						
8/8/2019	0.00012 (J)		0.00017 (J)	0.0019					
8/9/2019						0.0034		7.5E-05 (J)	
8/30/2019	8.2E-05 (J)		0.00017 (J)	0.0025		0.0034		7.9E-05 (J)	
3/16/2020			<0.0025	0.0022		0.0039			
3/17/2020	<0.0025							<0.0025	
7/13/2020		<0.0025			<0.0025				
7/14/2020							0.00381		
7/30/2020									0.0011 (J)
11/4/2020			<0.0025						
11/5/2020				0.003					
11/9/2020					0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)
11/20/2020	<0.0025	<0.0025							
3/8/2021	0.00033 (J)	0.00028 (J)	<0.0025						
3/9/2021				0.0034	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)
10/11/2021					<0.0025				0.0003 (J)
10/12/2021	<0.0025	<0.0025	<0.0025					<0.0025	
10/14/2021						0.0032	0.0037		
10/21/2021				0.004					
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		0.0037	<0.0025		0.0055		
4/6/2022						0.0034		<0.0025	0.00033 (J)
10/17/2022			<0.0025						
10/18/2022	<0.0025	<0.0025		0.003	<0.0025		0.0056		
10/19/2022						0.0021 (J)		<0.0025	0.00027 (J)
3/8/2023			<0.0025	0.0023 (J)	<0.0025	0.003	0.0062		
3/9/2023								<0.0025	0.00034 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0023 (J)	<0.0025	0.0026 (J)	0.0072 (J)		
10/20/2023								<0.0025	0.00037 (J)
10/21/2023	<0.0025	<0.0025							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
3/25/2024			<0.0025	0.0025					
3/26/2024					<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)
3/29/2024	<0.0025	<0.0025							
10/16/2024	<0.0025	<0.0025	<0.0025						
10/17/2024				0.0021 (J)	<0.0025	0.0029 (J)	0.0093 (J)	<0.0025	0.00024 (J)
Mean	0.002152	0.002278	0.001649	0.00269	0.002271	0.003285	0.005451	0.002258	0.000437
Std. Dev.	0.000852	0.000702	0.001073	0.000532	0.0007242	0.0005724	0.002241	0.0007458	0.0002676
Upper Lim.	0.0025	0.0025	0.0025	0.002992	0.0025	0.00361	0.00745	0.0025	0.00071
Lower Lim.	0.00033	0.0025	0.00042	0.002388	0.0025	0.00296	0.003452	7.9E-05	0.00027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
4/25/2018			<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018			<0.0025		
7/23/2018					<0.0025
7/24/2018			<0.0025		
9/6/2018			0.00043 (J)		<0.0025
10/2/2018			<0.0025		<0.0025
11/1/2018					<0.0025
11/2/2018			<0.0025		
12/6/2018			<0.0025		<0.0025
2/13/2019			<0.0025		<0.0025
4/5/2019		0.0049 (D)			
4/15/2019		0.0045			
5/2/2019		0.0012 (J)			
5/14/2019		0.0024 (J)			
5/29/2019		0.0022 (J)			
6/12/2019		0.002 (J)			
6/19/2019		0.004 (J)			
6/25/2019		0.0014 (J)			
8/8/2019					8.4E-05 (J)
8/9/2019		0.0022	0.00025 (J)		
8/30/2019		0.0039	0.00023 (J)		8.9E-05 (J)
3/17/2020		0.0029	0.00024 (J)		<0.0025
7/13/2020				0.00121 (J)	
7/14/2020	<0.0025				
11/10/2020	<0.0025		0.00024 (J)	<0.0025	
11/20/2020		0.0024 (J)			<0.0025
3/8/2021					<0.0025
3/9/2021		0.0017 (J)	0.00025 (J)	<0.0025	
3/10/2021	0.00021 (J)				
10/12/2021			0.00028 (J)	<0.0025	<0.0025
10/14/2021	<0.0025				
10/20/2021		0.0032			
4/6/2022			<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	0.0028			
10/18/2022			0.00033 (J)	<0.0025	<0.0025
10/19/2022	<0.0025	0.0028			
3/9/2023	<0.0025	0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025
3/26/2024		0.0036	<0.0025	<0.0025	
3/28/2024	<0.0025				<0.0025
10/16/2024					<0.0025
10/17/2024	<0.0025	0.003 (J)	0.00025 (J)	<0.0025	
Mean	0.002271	0.002835	0.001389	0.002371	0.002259
Std. Dev.	0.0007242	0.0009832	0.00114	0.0004079	0.0007429
Upper Lim.	0.0025	0.003393	0.0025	0.0025	0.0025
Lower Lim.	0.0025	0.002277	0.00025	0.0025	8.9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				21.8		5.84		2.4	
4/25/2018	2.66								
6/13/2018	2.91								
6/14/2018				20.9		6.37		2.5	
7/23/2018	3.49								
7/24/2018				19.2		7.22		3.01	
9/1/2018	3.15			17.5		5.46		2.3	
10/1/2018				19.9		8.54		3.49	
10/2/2018	3.38								
11/1/2018	2.19								
11/2/2018				17.4		6.02		1.94	
12/6/2018	2.69							2.68	
12/7/2018				18.5		6.26			
2/13/2019	2.97			19.2		6.67		2.05	
3/16/2019			5.87						
3/27/2019			6.56						
4/3/2019			7.03						
4/15/2019			6.75						
5/2/2019			6.82						
5/14/2019			6.96						
5/28/2019			4.12						
6/12/2019			8.8						
8/8/2019	2.16		7.52	18.7		6.41			
8/9/2019								2.09	
8/30/2019	2.19		7.98	16.5		5.45		1.24	
3/16/2020			10.6	18.8		6.5		1.71	
3/17/2020	2.94								
7/11/2020					0.179 (U)				
7/13/2020		0.272 (U)					0.857		
7/14/2020									9.33
11/4/2020			8.99						
11/5/2020				15.3	0.158 (U)	5.33			
11/9/2020							0.501	2	6.03
11/20/2020	3.47	-0.129 (U)							
3/8/2021	2.86	0.73	14.2	21.4	0.164 (U)				
3/9/2021						2.68	0.605	2.08	8.34
10/11/2021							1.6		
10/12/2021	3.57	0.769	12	20.6	-0.0129 (U)				
10/14/2021								2.56	8.45
10/21/2021						5.6			
4/4/2022			12.5						
4/5/2022	3.1	0.594		17.4	0.117 (U)	7.45	0.853		7.09
4/6/2022								1.71	
10/17/2022			14	19.1					
10/18/2022	4.61	0.815			1.7	6.3	1.07		8.32
10/19/2022								1.61	
3/8/2023			13.5	20.4	0.0718 (U)	5.77	0.636	1.78	9.4
3/13/2023	2.92	0.18 (U)							
10/19/2023			13.9	22.1	0.508	6.55	0.63	1.75	8.81
10/21/2023	4.21	0.491 (U)							
3/25/2024			14.7	19.9	0.851	6.85			
3/26/2024							0.794	1.66	8.72

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	2.5	0.463 (U)							
10/16/2024	3.21	0.505 (U)	13.7	17.9	0.305 (U)				
10/17/2024						6.34	0.94	1.32	7.75
Mean	3.059	0.469	9.825	19.13	0.4041	6.181	0.8486	2.094	8.224
Std. Dev.	0.6288	0.2935	3.416	1.801	0.5202	1.124	0.3159	0.5595	1.032
Upper Lim.	3.416	0.7309	11.77	20.15	0.7998	6.819	1.13	2.412	9.145
Lower Lim.	2.702	0.2071	7.885	18.1	0.01729	5.542	0.5667	1.776	7.303

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	3.67				5.8	3.26		6.49
6/13/2018								6.43
6/14/2018	4.18				5.94	3.41		
7/23/2018						4.02		6.82
7/24/2018	4.95				6.56			
9/1/2018	4.44							
9/6/2018					7.39	3.86		7.4
10/2/2018	4.79				8.19	4.63		7.43
11/1/2018						3.37		6.67
11/2/2018	4				5.87			
12/6/2018	5.01				6.64	3.92		6.92
2/13/2019	4.53				6.19	3.66		6.91
4/5/2019				2.85				
4/15/2019				3.24				
5/2/2019				3				
5/14/2019				3.2				
5/29/2019				2.88				
6/12/2019				3.04				
6/19/2019				3.59				
6/25/2019				3.61				
8/8/2019								6.71
8/9/2019	3.81			3.14	6.86	3.52		
8/30/2019	2.82			2.52	6.63	3.96		7.32
3/17/2020	4.23			3.16	5.37	3.43		7.36
7/13/2020							0.898	
7/14/2020			0.591					
7/30/2020		0.29 (UD)						
11/9/2020	3.42	0.381 (U)				2.55		
11/10/2020			0.113 (U)		6.91		0.293 (U)	
11/20/2020				3.32				8.11
3/8/2021								9.26
3/9/2021	4.01	0.24 (U)		0.234 (U)	2.66	3.52	-0.149 (U)	
3/10/2021			0.186 (U)					
10/11/2021		0.194 (U)						
10/12/2021	3.74				7.77		1.07	8.92
10/14/2021			1.24					
10/20/2021				2.8				
10/21/2021						4.05		
4/6/2022	5.09	0.644			6.15	4.27	0.565	6.93
4/7/2022			0.752	3.12				
10/18/2022					9.51	5.83	1.12	9.03
10/19/2022	4.24	0.259 (U)	0.7	3.45				
3/9/2023	2.58	-0.134 (U)	0.833	2.37	4.77	5.27	0.353 (U)	
3/13/2023								7.57
10/20/2023	3.9	0.512 (U)	0.515	2.85	7.61	5.63	0.891	8.1
3/26/2024	5.3	1.09		3.49	7.47		0.801	
3/28/2024			1.01			5.47		9.04
10/16/2024								8.2
10/17/2024	3.79	0.64 (U)	1.31	2.8	8.96	9.23	1.15	
Mean	4.125	0.4116	0.725	2.933	6.663	4.343	0.6992	7.581
Std. Dev.	0.716	0.3317	0.3984	0.7164	1.501	1.443	0.4251	0.9159
Upper Lim.	4.532	0.7075	1.08	3.28	7.515	4.968	1.079	8.101

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Lower Lim.	3.718	0.1157	0.3695	2.725	5.81	3.554	0.3199	7.061

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.06 (J)		0.33		0.52	
4/25/2018	0.69								
6/13/2018	0.64								
6/14/2018				0.06 (J)		0.37		0.51	
7/23/2018	0.76								
7/24/2018				0.07 (J)		0.42		0.52	
9/1/2018	0.81			0.08 (J)		0.45		0.54	
10/1/2018				0.07 (J)		0.39		0.54	
10/2/2018	0.78								
11/1/2018	0.88								
11/2/2018				0.08 (J)		0.42		0.58	
12/6/2018	0.75							0.51	
12/7/2018				4.3 (o)		0.64			
2/13/2019	0.72			0.05 (J)		0.35		0.48	
3/16/2019			<0.2						
3/27/2019			<0.2						
4/3/2019			<0.2						
4/4/2019	0.63								
4/5/2019				0.14 (J)		0.7 (J)		0.31 (J)	
4/15/2019			0.14 (J)						
5/2/2019			0.13 (J)						
5/14/2019			<0.2						
5/28/2019			0.16 (J)						
6/12/2019			<0.2						
8/8/2019	0.58		0.21 (J)	0.19 (J)		0.8 (J)			
8/9/2019								0.51	
8/30/2019	0.5		0.21 (J)	0.17 (J)		<0.2		0.54 (J)	
3/16/2020			<0.2	<0.2		<0.2		<0.2	
3/17/2020	0.38								
7/11/2020					0.24				
7/13/2020		0.24					0.17		
7/14/2020									0.14
11/4/2020			<0.2						
11/5/2020				<0.2	0.15 (J)	<0.2			
11/9/2020							0.18 (J)	<0.2	<0.2
11/20/2020	0.81	0.13 (J)							
3/8/2021	0.66	0.23	<0.2	<0.2	0.2				
3/9/2021						0.87 (J)	0.18 (J)	0.55 (J)	<0.2
10/11/2021							0.14 (J)		
10/12/2021	0.66	0.22	0.27 (J)	0.22 (J)	0.18 (J)				
10/14/2021								0.5 (J)	<0.2
10/21/2021						<0.2			
4/4/2022			0.13 (J)						
4/5/2022	0.82	0.19 (J)		<0.2	0.21	<0.2	0.13 (J)		<0.2
4/6/2022								0.36 (J)	
10/17/2022			<0.2	<0.2					
10/18/2022	0.68	0.18 (J)			0.14 (J)	0.32 (J)	0.12 (J)		0.15 (J)
10/19/2022								0.29	
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)	0.14 (J)	0.25	0.074 (J)
3/13/2023	0.87	0.19 (J)							
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)	0.13 (J)	0.41	0.082 (J)
10/21/2023	0.58	0.16 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)			
3/26/2024							0.18 (J)	0.44 (J)	0.29 (J)
3/29/2024	0.75	0.22							
10/16/2024	0.66	0.21	0.15 (J)	0.13 (J)	0.16 (J)				
10/17/2024						0.38 (J)	0.15 (J)	0.37 (J)	0.3 (J)
Mean	0.6957	0.197	0.1783	0.1335	0.18	0.39	0.152	0.4252	0.1836
Std. Dev.	0.1225	0.03401	0.04241	0.0637	0.03127	0.2052	0.02348	0.143	0.07551
Upper Lim.	0.7633	0.2273	0.1618	0.2	0.2079	0.4578	0.1729	0.5059	0.2191
Lower Lim.	0.6282	0.1667	0.1135	0.07	0.1521	0.2476	0.1311	0.3803	0.07734

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.09 (J)				0.11	1		0.06 (J)
6/13/2018								0.06 (J)
6/14/2018	0.09 (J)				0.12	1		
7/23/2018						1		0.06 (J)
7/24/2018	0.09 (J)				0.12			
9/1/2018	0.1							
9/6/2018					0.13	1.1		0.06 (J)
10/2/2018	0.09 (J)				0.13	1		0.07 (J)
11/1/2018						1.1		0.07 (J)
11/2/2018	0.11				0.14			
12/6/2018	1.4 (o)				0.13	0.98		0.21 (o)
2/13/2019	0.07 (J)				0.1	0.98		0.07 (J)
4/4/2019	<0.2				<0.2	0.58 (J)		<0.2
4/5/2019				<0.2 (D)				
4/15/2019				<0.2				
5/2/2019				<0.2				
5/14/2019				<0.2				
5/29/2019				<0.2				
6/12/2019				<0.2				
6/19/2019				<0.2				
6/25/2019				0.32 (J)				
8/8/2019								0.2 (J)
8/9/2019	<0.2			<0.2	0.22 (J)	0.9 (J)		
8/30/2019	<0.2			0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2			<0.2	1.6	0.52 (J)		<0.2
7/13/2020							0.15	
7/14/2020			0.22					
7/30/2020		0.17						
11/9/2020	<0.2	0.17 (J)				0.74 (J)		
11/10/2020			0.21		<0.2		0.22	
11/20/2020				<0.2				<0.2
3/8/2021								<0.2
3/9/2021	<0.2	0.17 (J)		<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
3/10/2021			0.18 (J)					
10/11/2021		0.18 (J)						
10/12/2021	<0.2				<0.2		0.15 (J)	<0.2
10/14/2021			0.19 (J)					
10/20/2021				0.29 (J)				
10/21/2021						1 (J)		
4/6/2022	<0.2	0.27			1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022			0.2	6.4				
10/18/2022					0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.065 (J)	0.12 (J)	0.15 (J)	0.22				
3/9/2023	0.12 (J)	0.077 (J)	0.08 (J)	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023								0.081 (J)
10/20/2023	<0.2	0.13 (J)	0.15 (J)	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
3/26/2024	0.28 (J)	0.15 (J)		<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.2			0.97 (J)		0.13 (J)
10/16/2024								0.14 (J)
10/17/2024	0.27 (J)	0.15 (J)	0.17 (J)	0.14 (J)	0.17 (J)	0.82 (J)	0.096 (J)	
Mean	0.1588	0.1587	0.175	0.5175	0.2629	1.603	0.1276	0.1629
Std. Dev.	0.067	0.04986	0.04089	1.385	0.391	3.304	0.04705	0.1669

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Upper Lim.	0.2	0.2032	0.2115	0.22	0.22	1	0.1696	0.2
Lower Lim.	0.09	0.1142	0.1385	0.14	0.1	0.73	0.08562	0.06

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018			<0.001		<0.001	<0.001			
4/25/2018	<0.001							<0.001	
6/13/2018	<0.001								
6/14/2018			<0.001		<0.001	<0.001		<0.001	
7/23/2018	<0.001								
7/24/2018			<0.001		<0.001	<0.001		<0.001	
9/1/2018	<0.001		<0.001		<0.001	<0.001		<0.001	
10/1/2018			<0.001		<0.001	<0.001			
10/2/2018	<0.001							<0.001	
11/1/2018	0.0011 (J)								
11/2/2018			<0.001		0.00048 (J)	0.00062 (J)		0.0011 (J)	
12/6/2018	0.0006 (J)					<0.001		0.00041 (J)	
12/7/2018			<0.001		<0.001				
2/13/2019	<0.001		<0.001		<0.001	<0.001		0.00036 (J)	
8/8/2019	<0.001		<0.001		<0.001				
8/9/2019						<0.001		<0.001	
8/30/2019	<0.001		<0.001		<0.001	<0.001		<0.001	
3/16/2020			<0.001		<0.001	<0.001			
3/17/2020	<0.001							<0.001	
7/11/2020				0.000555 (J)					
7/13/2020		0.00116 (J)							
7/14/2020							<0.001		
7/30/2020									0.00203
11/5/2020			<0.001	0.00024 (J)	<0.001				
11/9/2020						<0.001	<0.001	<0.001	0.00099 (J)
11/20/2020	<0.001	0.00089 (J)							
3/8/2021	0.00016 (J)	0.00086 (J)	<0.001	0.00016 (J)					
3/9/2021					<0.001	<0.001	<0.001	<0.001	0.00026 (J)
10/11/2021									0.00019 (J)
10/12/2021	<0.001	0.00063 (J)	<0.001	0.0002 (J)				<0.001	
10/14/2021						<0.001	<0.001		
10/21/2021					<0.001				
4/5/2022	0.00019 (J)	0.00058 (J)	0.00022 (J)	0.00045 (J)	0.00043 (J)		0.00029 (J)		
4/6/2022						<0.001		<0.001	0.00026 (J)
10/17/2022			<0.001						
10/18/2022	<0.001	0.00045 (J)		<0.001	<0.001		<0.001		
10/19/2022						<0.001		<0.001	0.00018 (J)
3/8/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
3/9/2023								<0.001	<0.001
3/13/2023	<0.001	<0.001							
10/19/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
10/20/2023								<0.001	0.0003 (J)
10/21/2023	<0.001	0.0003 (J)							
3/25/2024			<0.001	<0.001	<0.001				
3/26/2024						<0.001	<0.001	<0.001	<0.001
3/29/2024	<0.001	<0.001							
10/16/2024	<0.001	<0.001	<0.001	<0.001					
10/17/2024					<0.001	<0.001	<0.001	<0.001	<0.001
Mean	0.0009025	0.000787	0.000961	0.0006605	0.0009455	0.000981	0.000929	0.0009435	0.000721
Std. Dev.	0.0002657	0.0002808	0.0001744	0.0003758	0.0001679	8.497E-05	0.0002245	0.0001925	0.0005959
Upper Lim.	0.0011	0.0009016	0.001	0.001	0.001	0.001	0.001	0.0011	0.0008683
Lower Lim.	0.0006	0.0004434	0.00022	0.0002	0.00048	0.00062	0.001	0.00041	0.0001267

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-9
4/25/2018		<0.001	<0.001	<0.001
6/13/2018				<0.001
6/14/2018		<0.001	<0.001	
7/23/2018			<0.001	<0.001
7/24/2018		<0.001		
9/6/2018		<0.001	<0.001	<0.001
10/2/2018		<0.001	<0.001	<0.001
11/1/2018			0.0016	<0.001
11/2/2018		0.0019		
12/6/2018		<0.001	0.0013	0.00039 (J)
2/13/2019		<0.001	<0.001	<0.001
4/5/2019	<0.001 (D)			
4/15/2019	<0.001			
5/2/2019	<0.001			
5/14/2019	<0.001			
5/29/2019	<0.001			
6/12/2019	<0.001			
6/19/2019	<0.001			
6/25/2019	<0.001			
8/8/2019				0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001	
8/30/2019	0.00032 (J)	<0.001	<0.001	<0.001
3/17/2020	<0.001	<0.001	<0.001	<0.001
11/9/2020			<0.001	
11/10/2020		<0.001		
11/20/2020	<0.001			<0.001
3/8/2021				<0.001
3/9/2021	<0.001	<0.001	<0.001	
10/12/2021		<0.001		<0.001
10/20/2021	<0.001			
10/21/2021			<0.001	
4/6/2022		<0.001	<0.001	<0.001
4/7/2022	<0.001			
10/18/2022		<0.001	<0.001	<0.001
10/19/2022	<0.001			
3/9/2023	<0.001	<0.001	0.00075 (J)	
3/13/2023				<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		
3/28/2024			<0.001	<0.001
10/16/2024				<0.001
10/17/2024	<0.001	<0.001	<0.001	
Mean	0.000966	0.001045	0.001033	0.000926
Std. Dev.	0.0001521	0.0002012	0.0001608	0.0002316
Upper Lim.	0.001	0.0019	0.0013	0.001
Lower Lim.	0.00032	0.001	0.00075	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.029		0.11		0.079	
4/25/2018	0.021								
6/13/2018	0.013								
6/14/2018				0.023		0.073		0.055	
7/23/2018	0.015								
7/24/2018				0.023		0.079		0.057	
9/1/2018	0.015			0.022		0.088		0.054	
10/1/2018				0.026		0.091		0.063	
10/2/2018	0.017								
11/1/2018	0.038								
11/2/2018				0.024 (J)		0.081		0.077	
12/6/2018	0.011							0.054	
12/7/2018				0.022		0.072			
2/13/2019	0.012			0.02		0.071		0.053	
3/16/2019			0.013						
3/27/2019			0.014						
4/3/2019			0.01						
4/15/2019			0.012						
5/2/2019			0.013						
5/14/2019			0.011						
5/28/2019			<0.05						
6/12/2019			0.012						
8/8/2019	0.018		0.012	0.031		0.076			
8/9/2019								0.061	
8/30/2019	0.01		0.011	0.022		0.072		0.052	
3/16/2020			0.013	0.03		0.07		0.053	
3/17/2020	0.017								
7/11/2020					0.0103				
7/13/2020		0.0136					0.00778		
7/14/2020									0.0522
11/4/2020			0.014						
11/5/2020				0.031	0.01	0.07			
11/9/2020							0.006	0.049	0.043
11/20/2020	0.013	0.011							
3/8/2021	0.01	0.022	0.013	0.03	0.0091				
3/9/2021						0.075	0.0098	0.051	0.044
10/11/2021							0.02		
10/12/2021	0.0056	0.019	0.014	0.028	0.0079				
10/14/2021								0.052	0.11
10/21/2021						0.0665 (D)			
4/4/2022			0.023 (J)						
4/5/2022	0.012	0.012		0.037	0.01	0.081	0.014		0.073
4/6/2022								0.046	
10/17/2022			0.016	0.032					
10/18/2022	0.01	0.012			0.011	0.056	0.016		0.068
10/19/2022								0.049	
3/8/2023			0.019	0.036	0.011	0.077	0.012	0.041	0.072
3/13/2023	0.01	<0.005							
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072	0.012 (J)	0.039	0.074
10/21/2023	0.013 (J)	0.012 (J)							
3/25/2024			0.017	0.037	0.0096	0.076			
3/26/2024							0.014	0.042	0.072

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.0083	0.012							
10/16/2024	0.008 (J)	0.012 (J)	0.029	0.039	0.009 (J)				
10/17/2024						0.067	0.021 (J)	0.056	0.065
Mean	0.01385	0.01281	0.01545	0.02895	0.00989	0.07618	0.01326	0.05415	0.06732
Std. Dev.	0.006819	0.005123	0.005073	0.006048	0.001019	0.01103	0.004851	0.01018	0.01918
Upper Lim.	0.01675	0.01738	0.01787	0.03238	0.0108	0.08244	0.01759	0.05993	0.08444
Lower Lim.	0.01014	0.008239	0.01258	0.02552	0.008981	0.06991	0.00893	0.04837	0.0502

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.069				0.004 (J)	0.13		0.0039 (J)
6/13/2018								0.0027 (J)
6/14/2018	0.046				0.0026 (J)	0.085		
7/23/2018						0.09		0.0041 (J)
7/24/2018	0.049				0.003 (J)			
9/1/2018	0.045							
9/6/2018					0.0029 (J)	0.099		0.0035 (J)
10/2/2018	0.052				0.0021 (J)	0.095		0.004 (J)
11/1/2018						0.16		0.018 (o)
11/2/2018	0.074				0.014 (o)			
12/6/2018	0.044				<0.005	0.082		<0.005
2/13/2019	0.045				0.0018 (J)	0.08		0.0026 (J)
4/5/2019				0.051 (D)				
4/15/2019				0.054				
5/2/2019				0.055				
5/14/2019				0.047				
5/29/2019				0.055				
6/12/2019				0.062				
6/19/2019				0.059				
6/25/2019				0.052				
8/8/2019								0.0053
8/9/2019	0.049			0.063	<0.005	0.086		
8/30/2019	0.044			0.059	<0.005	0.068		<0.005
3/17/2020	0.044			0.056	0.0071	0.08		0.0077
7/13/2020							<0.005	
7/14/2020			0.00696					
7/30/2020		0.00791						
11/9/2020	0.044	0.0076				0.08		
11/10/2020			0.0063		0.0048 (J)		0.0044 (J)	
11/20/2020				0.055				0.0035 (J)
3/8/2021								0.0045 (J)
3/9/2021	0.048	0.0099		0.057	0.004 (J)	0.073	0.005	
3/10/2021			0.0059					
10/11/2021		0.0075						
10/12/2021	0.039				0.0036 (J)		<0.005	<0.005
10/14/2021			0.0061					
10/20/2021				0.0535 (D)				
10/21/2021						0.0735 (D)		
4/6/2022	0.046	0.0088			0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022			0.011	0.057				
10/18/2022					0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.035	0.0077	0.0069	0.05				
3/9/2023	0.04	0.0085	0.01	0.054	0.0071	0.067	0.0071	
3/13/2023								0.0053
10/20/2023	0.039	0.0064 (J)	0.0079 (J)	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
3/26/2024	0.036	0.0076		0.058	0.0058		0.0049 (J)	
3/28/2024			0.012			0.076		0.0031 (J)
10/16/2024								0.0023 (J)
10/17/2024	0.048	0.0062 (J)	0.022 (J)	0.054	0.004 (J)	0.065	0.013 (J)	
Mean	0.0468	0.007811	0.009506	0.05538	0.004184	0.08528	0.0053	0.004426
Std. Dev.	0.009556	0.001086	0.004894	0.003842	0.001469	0.02288	0.003026	0.001574
Upper Lim.	0.05104	0.00878	0.01258	0.05756	0.004349	0.09	0.007065	0.0048

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Lower Lim.	0.04148	0.006842	0.006024	0.05319	0.002808	0.071	0.002538	0.003113

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-1R	APMW-5	APMW-7	APMW-8	APMW-9
4/25/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002					<0.0002
6/14/2018			<0.0002	<0.0002	<0.0002	
7/23/2018	<0.0002				<0.0002	<0.0002
7/24/2018			<0.0002	<0.0002		
9/1/2018	8.5E-05 (J)		9.3E-05 (J)			
9/6/2018				9E-05 (J)	7.7E-05 (J)	0.00035
10/2/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
11/1/2018	<0.0002				<0.0002	<0.0002
11/2/2018			<0.0002	<0.0002		
12/6/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/13/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/16/2019		<0.0002				
3/27/2019		<0.0002				
4/3/2019		<0.0002				
4/15/2019		0.00015 (J)				
5/2/2019		<0.0002				
5/14/2019		<0.0002				
5/28/2019		<0.0002				
6/12/2019		<0.0002				
8/8/2019	<0.0002	<0.0002				<0.0002
8/9/2019			<0.0002	<0.0002	<0.0002	
11/4/2020		<0.0002				
11/9/2020			<0.0002		<0.0002	
11/10/2020				<0.0002		
11/20/2020	<0.0002					<0.0002
3/8/2021	<0.0002	<0.0002				<0.0002
3/9/2021			<0.0002	<0.0002	<0.0002	
10/12/2021	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/21/2021					<0.0002	
4/4/2022		<0.0002				
4/5/2022	<0.0002					
4/6/2022			<0.0002	<0.0002	<0.0002	<0.0002
10/17/2022		<0.0002				
10/18/2022	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2022			<0.0002			
3/8/2023		<0.0002				
3/9/2023			<0.0002	<0.0002	<0.0002	
3/13/2023	<0.0002					<0.0002
10/19/2023		<0.0002				
10/20/2023			<0.0002	<0.0002	<0.0002	<0.0002
10/21/2023	<0.0002					
3/25/2024		<0.0002				
3/26/2024			<0.0002	<0.0002		
3/28/2024					<0.0002	<0.0002
3/29/2024	<0.0002					
10/16/2024	<0.0002	<0.0002				<0.0002
10/17/2024			<0.0002	<0.0002	<0.0002	
Mean	0.0001936	0.0001972	0.0001941	0.0001939	0.0001932	0.0002083
Std. Dev.	2.711E-05	1.179E-05	2.522E-05	2.593E-05	2.899E-05	3.536E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.00035
Lower Lim.	8.5E-05	0.00015	9.3E-05	9E-05	7.7E-05	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
4/24/2018			<0.015		0.073		0.011 (J)		
4/25/2018	0.11								0.056
6/13/2018	0.09								
6/14/2018			<0.015		0.068		0.0083 (J)		0.048
7/23/2018	0.11								
7/24/2018			<0.015		0.065		0.0075 (J)		0.078
9/1/2018	0.11		<0.015		0.05		0.0082 (J)		0.081
10/1/2018			<0.015		0.061		0.0088 (J)		
10/2/2018	0.1								0.07
11/1/2018	0.11								
11/2/2018			<0.015		0.062		0.0083 (J)		0.1
12/6/2018	0.1						0.0093 (J)		0.069
12/7/2018			<0.015		0.062				
2/13/2019	0.085		<0.015		0.061		0.0093 (J)		0.1
8/8/2019	0.11		0.00079 (J)		0.073				
8/9/2019							0.012		0.15
8/30/2019	0.078		<0.015		0.065		0.011		0.088
3/16/2020			<0.015		0.072		0.01		
3/17/2020	0.081								0.079
7/11/2020				0.00558 (J)					
7/13/2020		0.00884 (J)				<0.015			
7/14/2020								0.257	
11/5/2020			<0.015	0.0038 (J)	0.067				
11/9/2020						0.0022 (J)	0.0084 (J)	0.35	0.11
11/20/2020	0.059	0.017							
3/8/2021	0.055	0.0096 (J)	<0.015	0.0018 (J)					
3/9/2021					0.076	0.0012 (J)	0.0059 (J)	0.37	0.072
10/11/2021						<0.015			
10/12/2021	0.033	0.0099 (J)	<0.015	0.0011 (J)					0.074
10/14/2021							0.0042 (J)	0.23	
10/21/2021					0.0705 (D)				
4/5/2022	0.043	0.0058 (J)	<0.015	0.0011 (J)	0.071	0.0007 (J)		0.25	
4/6/2022							0.005 (J)		0.074
10/17/2022			<0.015						
10/18/2022	0.03	0.0033 (J)		0.0016 (J)	0.05	0.00072 (J)		0.18	
10/19/2022							0.0043 (J)		0.039
3/8/2023			<0.015	0.0011 (J)	0.064	0.00074 (J)	0.0042 (J)	0.2	
3/9/2023									0.15
3/13/2023	0.033	<0.015							
10/19/2023			<0.015	0.0013 (J)	0.076	0.00096 (J)	0.0047 (J)	0.18	
10/20/2023									0.18
10/21/2023	0.037 (J)	0.0031 (J)							
3/25/2024			<0.015	0.00099 (J)	0.055				
3/26/2024						0.00078 (J)	0.0029 (J)	0.16	0.17
3/29/2024	0.027	0.0027 (J)							
10/16/2024	0.023 (J)	0.0027 (J)	<0.015	0.0012 (J)					
10/17/2024					0.049 (J)	<0.015	0.0031 (J)	0.16	0.23
Mean	0.0712	0.007044	0.01429	0.001957	0.06453	0.00523	0.00732	0.2337	0.1009
Std. Dev.	0.03336	0.004547	0.003177	0.001521	0.008432	0.006756	0.002812	0.07505	0.04977
Upper Lim.	0.1	0.0111	0.015	0.0038	0.06931	0.015	0.008917	0.3007	0.1292
Lower Lim.	0.033	0.002987	0.00079	0.0011	0.05974	0.00072	0.005723	0.1667	0.07264

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018				0.00096 (J)	0.18		<0.015
6/13/2018							<0.015
6/14/2018				0.0062 (J)	0.17		
7/23/2018					0.17		<0.015
7/24/2018				0.0063 (J)			
9/6/2018				<0.015	0.15		<0.015
10/2/2018				<0.015	0.15		0.0009 (J)
11/1/2018					0.16		<0.015
11/2/2018				0.0066 (J)			
12/6/2018				0.0062 (J)	0.14		<0.015
2/13/2019				0.0047 (J)	0.13		<0.015
4/5/2019			0.41 (D)				
4/15/2019			0.4				
5/2/2019			0.3				
5/14/2019			0.36				
5/29/2019			0.4				
6/12/2019			0.34				
6/19/2019			0.41				
6/25/2019			0.37				
8/8/2019							<0.015
8/9/2019			0.48	<0.015	0.12		
8/30/2019			0.42	<0.015	0.11		0.00093 (J)
3/17/2020			0.47	<0.015	0.094		<0.015
7/13/2020						<0.015	
7/14/2020		<0.015					
7/30/2020	<0.015						
11/9/2020	0.0012 (J)				0.072		
11/10/2020		0.00081 (J)		<0.015		0.00067 (J)	
11/20/2020			0.42				<0.015
3/8/2021							<0.015
3/9/2021	0.00091 (J)		0.48	<0.015	0.069	<0.015	
3/10/2021		0.0011 (J)					
10/11/2021	0.0008 (J)						
10/12/2021				<0.015		<0.015	<0.015
10/14/2021		0.0012 (J)					
10/20/2021			0.45 (D)				
10/21/2021					0.056 (D)		
4/6/2022	0.00078 (J)			<0.015	0.053	0.0011 (J)	<0.015
4/7/2022		0.00098 (J)	0.5				
10/18/2022				<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.0014 (J)	0.0019 (J)	0.44				
3/9/2023	0.00085 (J)	0.0017 (J)	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023							<0.015
10/20/2023	0.0012 (J)	0.0023 (J)	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
3/26/2024	0.0011 (J)		0.7	<0.015		0.00086 (J)	
3/28/2024		0.0023 (J)			0.14		<0.015
10/16/2024							0.0011 (J)
10/17/2024	0.0012 (J)	0.0029 (J)	1.2	<0.015	0.21	0.0012 (J)	
Mean	0.001694	0.002269	0.49	0.01134	0.1171	0.005199	0.0129
Std. Dev.	0.002051	0.001959	0.195	0.005311	0.05239	0.006765	0.005138
Upper Lim.	0.0014	0.003461	0.5	0.015	0.1468	0.015	0.015
Lower Lim.	0.0008	0.0009487	0.4	0.0062	0.0873	0.00086	0.0011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-6R	APMW-7	APMW-8
4/24/2018		<0.005	0.0016		0.00055 (J)				
4/25/2018	0.00061 (J)					0.00071 (J)		0.00046 (J)	0.00042 (J)
6/13/2018	0.00034 (J)								
6/14/2018		0.00061 (J)	0.0019		0.00068 (J)	0.0006 (J)		0.00039 (J)	0.00049 (J)
7/23/2018	0.00035 (J)								0.0006 (J)
7/24/2018		0.00037 (J)	0.00087 (J)		0.00036 (J)	0.0006 (J)		0.00036 (J)	
9/1/2018	<0.005	<0.005	0.001 (J)		<0.005	<0.005			
9/6/2018								<0.005	<0.005
10/1/2018		<0.005	<0.005		<0.005				
10/2/2018	<0.005					<0.005		<0.005	<0.005
11/1/2018	<0.005								<0.005
11/2/2018		0.00072 (J)	0.001 (J)		<0.005	<0.005		<0.005	
12/6/2018	<0.005				<0.005	<0.005		<0.005	<0.005
12/7/2018		<0.005	0.0011 (J)						
2/13/2019	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005
4/5/2019							<0.005 (D)		
4/15/2019							<0.005		
5/2/2019							<0.005		
5/14/2019							<0.005		
5/29/2019							<0.005		
6/12/2019							<0.005		
6/19/2019							<0.005		
6/25/2019							<0.005		
8/8/2019	<0.005	<0.005	0.0017 (J)						
8/9/2019					<0.005	<0.005	<0.005	<0.005	<0.005
8/30/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2020		<0.005	<0.005		<0.005				
3/17/2020	<0.005					<0.005	<0.005	<0.005	<0.005
7/13/2020				<0.005					
11/5/2020		<0.005	<0.005						
11/9/2020				<0.005	<0.005	<0.005			<0.005
11/10/2020								<0.005	
11/20/2020	<0.005						<0.005		
3/8/2021	<0.005	<0.005							
3/9/2021			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/11/2021				<0.005					
10/12/2021	<0.005	<0.005				<0.005		<0.005	
10/14/2021					<0.005				
10/20/2021							<0.005		
10/21/2021			<0.005						<0.005
4/5/2022	<0.005	<0.005	<0.005	<0.005					
4/6/2022					<0.005	<0.005		<0.005	<0.005
4/7/2022							<0.005		
10/17/2022		<0.005							
10/18/2022	<0.005		<0.005	<0.005				<0.005	<0.005
10/19/2022					<0.005	<0.005	<0.005		
3/8/2023		<0.005	0.0014 (J)	0.0012 (J)	<0.005				
3/9/2023						0.0016 (J)	<0.005	<0.005	0.00076 (J)
3/13/2023	<0.005								
10/19/2023		<0.005	<0.005	<0.005	<0.005				
10/20/2023						<0.005	<0.005	<0.005	<0.005
10/21/2023	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-6R	APMW-7	APMW-8
3/25/2024		<0.005	<0.005						
3/26/2024				<0.005	<0.005	<0.005	<0.005	<0.005	
3/28/2024									<0.005
3/29/2024	<0.005								
10/16/2024	<0.005	<0.005							
10/17/2024			0.0029 (J)	<0.005	<0.005	<0.005	0.0015 (J)	0.0019 (J)	0.0017 (J)
Mean	0.004315	0.004335	0.003423	0.00462	0.004329	0.004175	0.004825	0.004155	0.003948
Std. Dev.	0.001674	0.001625	0.001835	0.001202	0.001638	0.001703	0.0007826	0.001758	0.001884
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00061	0.00072	0.0014	0.005	0.00068	0.0016	0.0015	0.0019	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-9
4/25/2018	0.00081 (J)
6/13/2018	0.00027 (J)
7/23/2018	0.00041 (J)
9/6/2018	<0.005
10/2/2018	<0.005
11/1/2018	<0.005
12/6/2018	<0.005
2/13/2019	<0.005
8/8/2019	<0.005
8/30/2019	<0.005
3/17/2020	<0.005
11/20/2020	<0.005
3/8/2021	<0.005
10/12/2021	<0.005
4/6/2022	<0.005
10/18/2022	<0.005
3/13/2023	0.0012 (J)
10/20/2023	<0.005
3/28/2024	<0.005
10/16/2024	0.0019 (J)
Mean	0.003979
Std. Dev.	0.001838
Upper Lim.	0.005
Lower Lim.	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
4/24/2018				<0.001	0.00012 (J)		
4/25/2018	<0.001					<0.001	<0.001
6/13/2018	<0.001						<0.001
6/14/2018				<0.001	<0.001	<0.001	
7/23/2018	<0.001					<0.001	<0.001
7/24/2018				<0.001	<0.001		
9/1/2018	<0.001			<0.001	<0.001		
9/6/2018						<0.001	<0.001
10/1/2018				<0.001	<0.001		
10/2/2018	<0.001					<0.001	<0.001
11/1/2018	<0.001					<0.001	<0.001
11/2/2018				<0.001	<0.001		
12/6/2018	<0.001					<0.001	<0.001
12/7/2018				<0.001	<0.001		
2/13/2019	<0.001			<0.001	<0.001	<0.001	<0.001
3/16/2019			<0.001				
3/27/2019			<0.001				
4/3/2019			<0.001				
4/15/2019			<0.001				
5/2/2019			<0.001				
5/14/2019			<0.001				
5/28/2019			<0.001				
6/12/2019			<0.001				
8/8/2019	0.00015 (J)		<0.001	0.00084 (J)	<0.001		<0.001
8/9/2019						0.00025 (J)	
8/30/2019	0.00058 (J)		<0.001	<0.001	<0.001	0.0013	0.0016
3/16/2020			<0.001	<0.001	<0.001		
3/17/2020	<0.001					<0.001	<0.001
7/13/2020		<0.001					
11/4/2020			0.00019 (J)				
11/5/2020				<0.001	<0.001		
11/9/2020						<0.001	
11/20/2020	<0.001	<0.001					<0.001
3/8/2021	0.00068 (J)	0.00057 (J)	<0.001	<0.001			0.00024 (J)
3/9/2021					<0.001	0.00017 (J)	
10/12/2021	<0.001	<0.001	<0.001	<0.001			<0.001
10/21/2021					<0.001	<0.001	
4/4/2022			<0.001				
4/5/2022	<0.001	<0.001		<0.001	<0.001		
4/6/2022						<0.001	<0.001
10/17/2022			<0.001	<0.001			
10/18/2022	<0.001	<0.001			<0.001	<0.001	<0.001
3/8/2023			<0.001	<0.001	<0.001		
3/9/2023						<0.001	
3/13/2023	<0.001	<0.001					<0.001
10/19/2023			<0.001	<0.001	<0.001		
10/20/2023						<0.001	<0.001
10/21/2023	<0.001	<0.001					
3/25/2024			<0.001	<0.001	<0.001		
3/28/2024						<0.001	<0.001
3/29/2024	<0.001	<0.001					
10/16/2024	<0.001	<0.001	<0.001	<0.001			<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/6/2024 12:53 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
10/17/2024					<0.001	<0.001	
Mean	0.0009205	0.000957	0.0009595	0.000992	0.000956	0.000936	0.000992
Std. Dev.	0.0002146	0.000136	0.0001811	3.578E-05	0.0001968	0.0002575	0.000222
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0013	0.0016
Lower Lim.	0.00068	0.001	0.00019	0.00084	0.00012	0.00025	0.00024

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/11/2024, 12:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01734**	**-152**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.00265**	**37**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03067**	**161**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01423**	**-166**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.009921**	**-129**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002615**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1503**	**114**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.756**	**144**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3242**	**110**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001147**	**109**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002172**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002937**	**-118**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-5**	**-0.001756**	**-89**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004135**	**-123**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.03403**	**-33**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05984**	**134**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

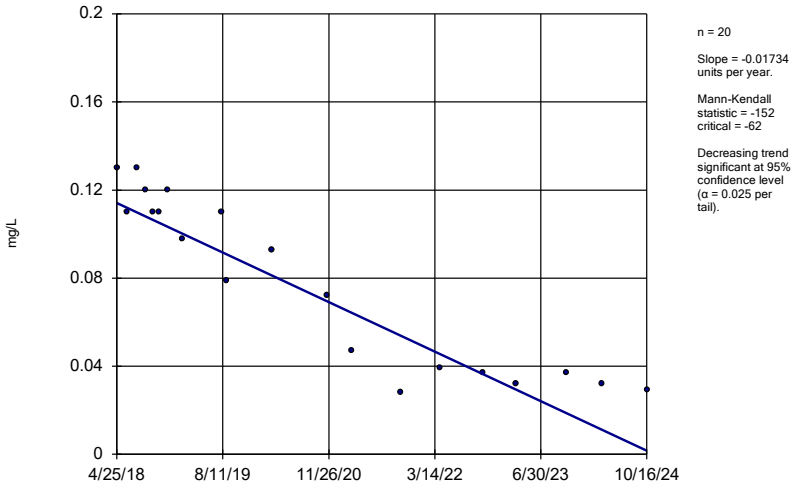
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 12/11/2024, 12:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01734**	**-152**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	30	62	No	20	85	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.00001389	-16	-62	No	20	25	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	-1	-23	No	10	80	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	-0.0001714	-13	-23	No	10	40	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	23	No	10	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0	0	23	No	10	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.003611	-41	-62	No	20	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.001904	-36	-62	No	20	0	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.00265**	**37**	**23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03067**	**161**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01423**	**-166**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.009921**	**-129**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002615**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.0006166	-4	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.002944	-6	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.003249	-16	-23	No	10	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0.001308	10	23	No	10	0	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1503**	**114**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.01764	-20	-62	No	20	5	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01542	-12	-62	No	20	5	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.1175	11	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	13	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1596	-8	-23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.1591	-11	-23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.756**	**144**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	-0.0254	-5	-62	No	20	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1102	3	23	No	10	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3242**	**110**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0005505	57	62	No	20	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001147**	**109**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0002772	3	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	-0.003295	-15	-23	No	10	50	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0006073	12	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0001003	-1	-23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002172**	**-74**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002937**	**-118**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.003244	10	23	No	10	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-5**	**-0.001756**	**-89**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-6R	0.0002255	13	62	No	20	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004135**	**-123**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	62	No	20	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	62	No	20	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	23	No	10	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	23	No	10	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	7	23	No	10	90	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	7	23	No	10	90	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.03403**	**-33**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05984**	**134**	**62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator

APMW-10



n = 20

Slope = -0.01734 units per year.

Mann-Kendall statistic = -152
critical = -62

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

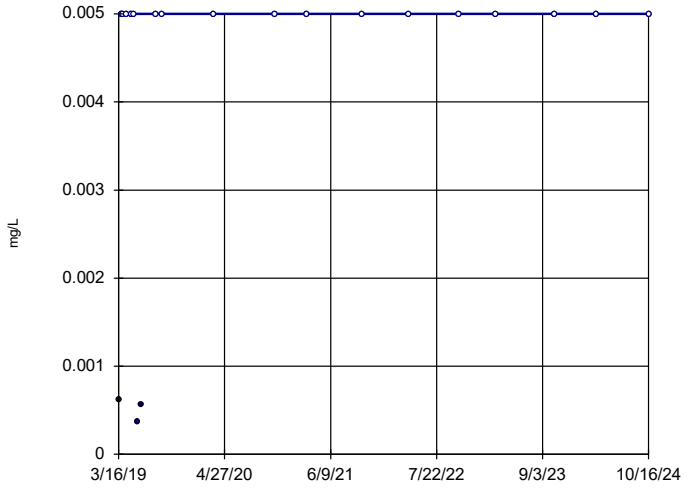
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 30
critical = 62

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

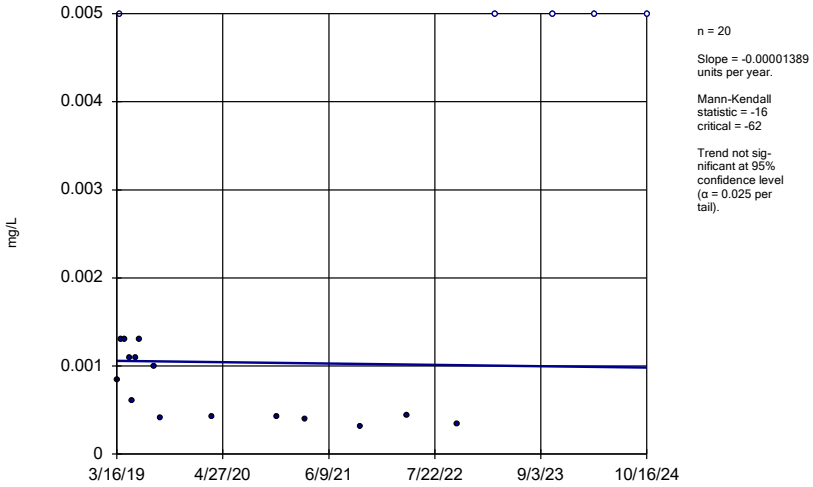
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.00001389 units per year.

Mann-Kendall statistic = -16
critical = -62

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

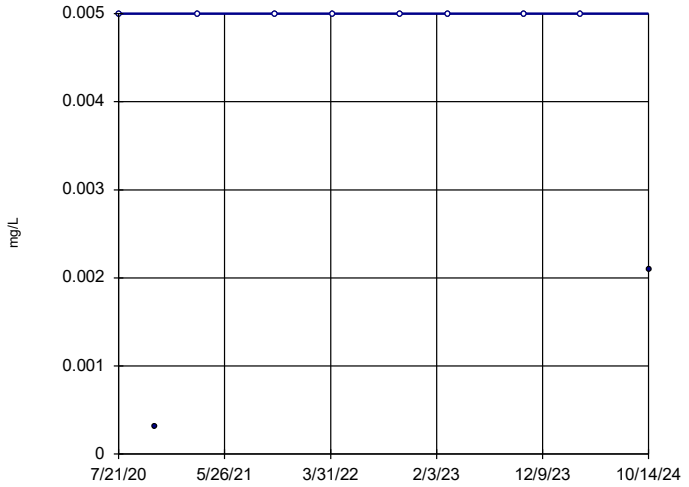
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -23

Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

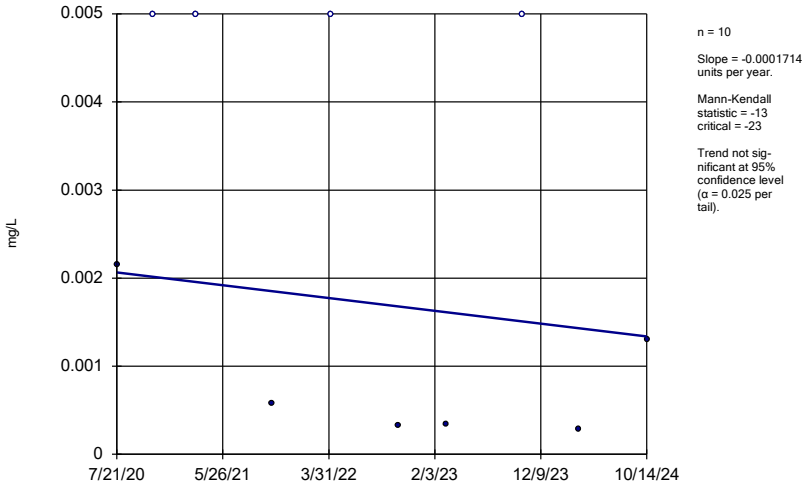
Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



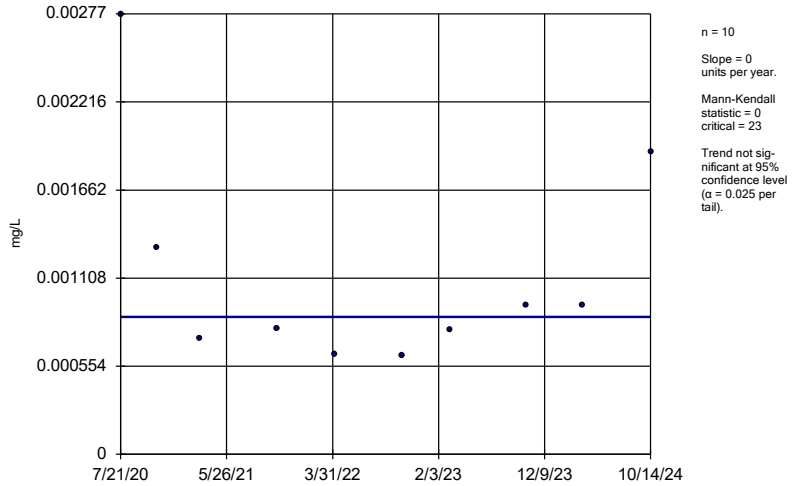
Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



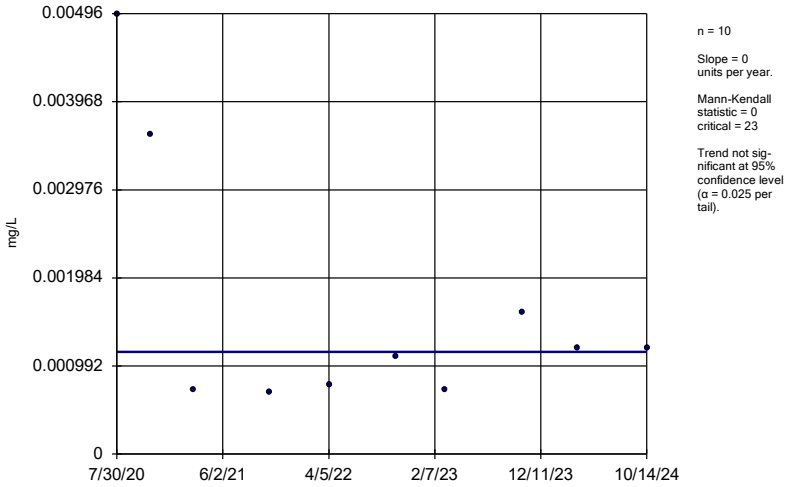
Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



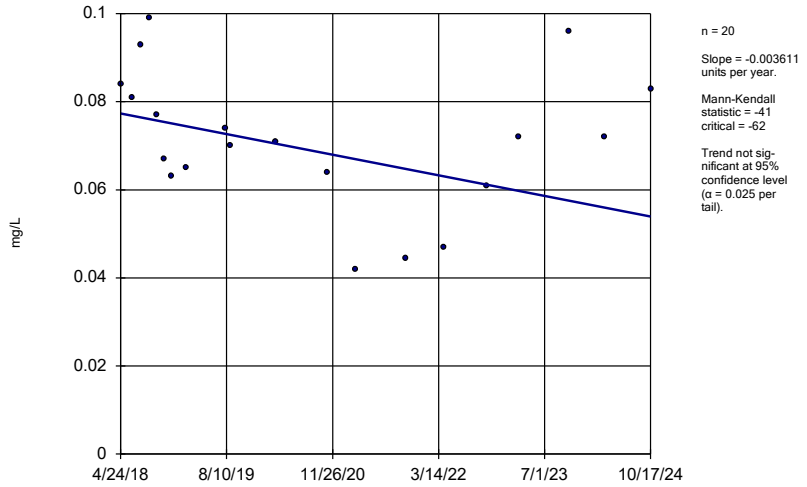
Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



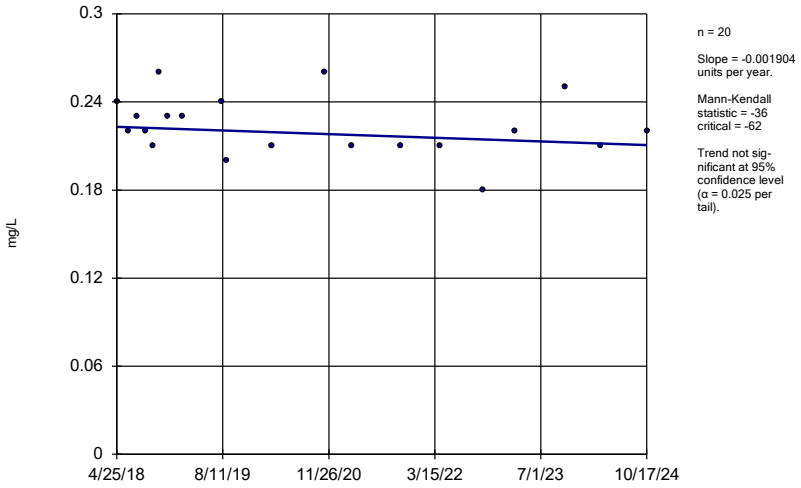
Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 20

Slope = -0.001904 units per year.

Mann-Kendall statistic = -36
critical = -62

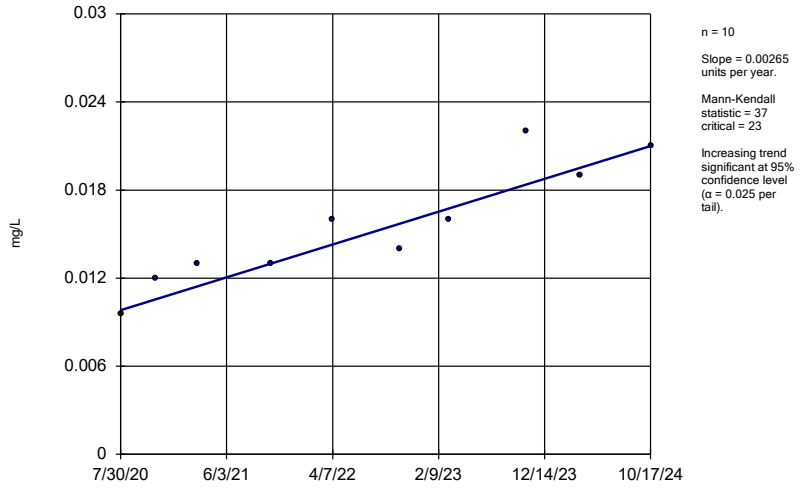
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5D



n = 10

Slope = 0.00265 units per year.

Mann-Kendall statistic = 37
critical = 23

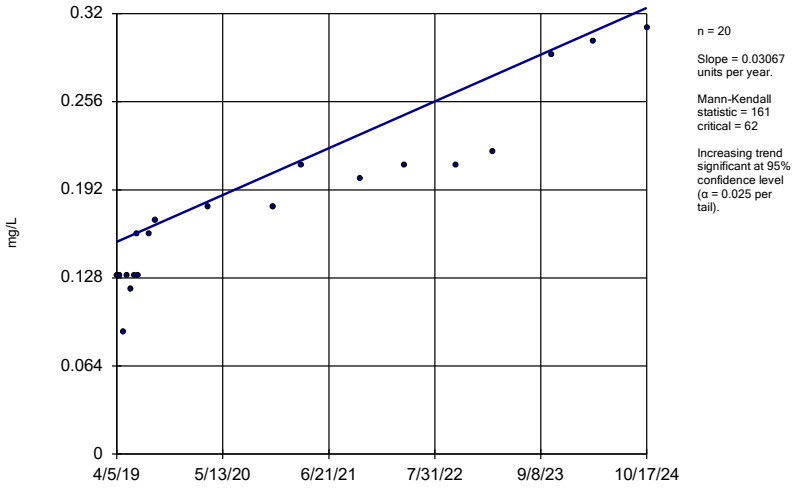
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 20

Slope = 0.03067 units per year.

Mann-Kendall statistic = 161
critical = 62

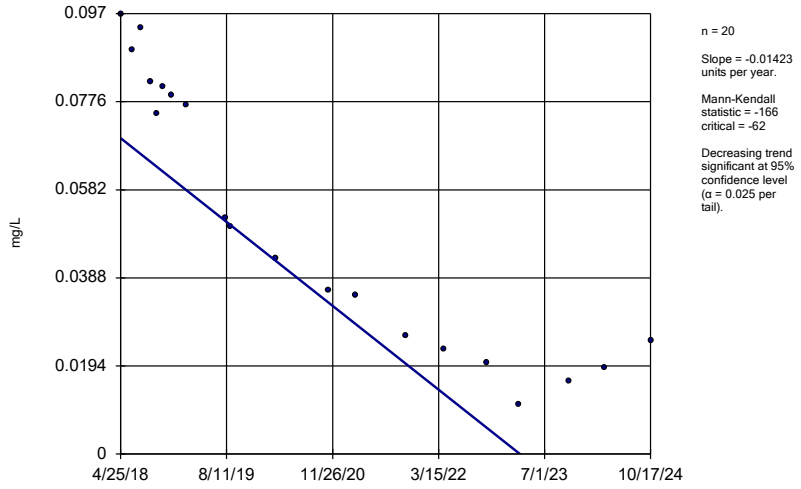
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-8



n = 20

Slope = -0.01423 units per year.

Mann-Kendall statistic = -166
critical = -62

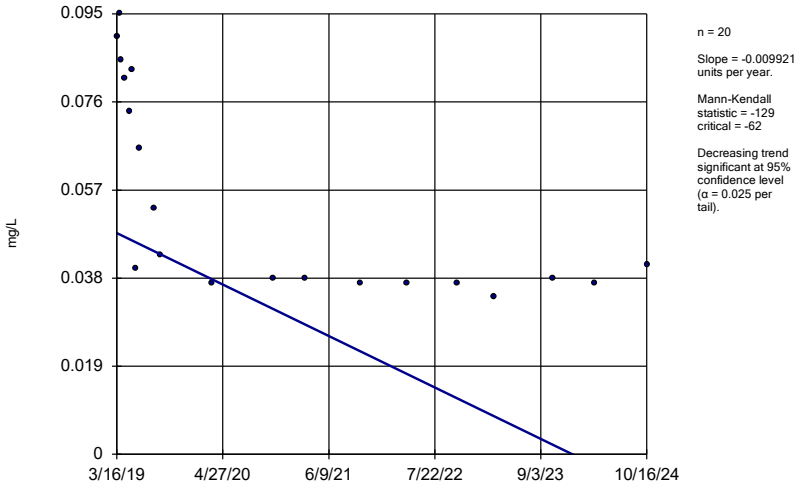
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.009921 units per year.

Mann-Kendall statistic = -129
critical = -62

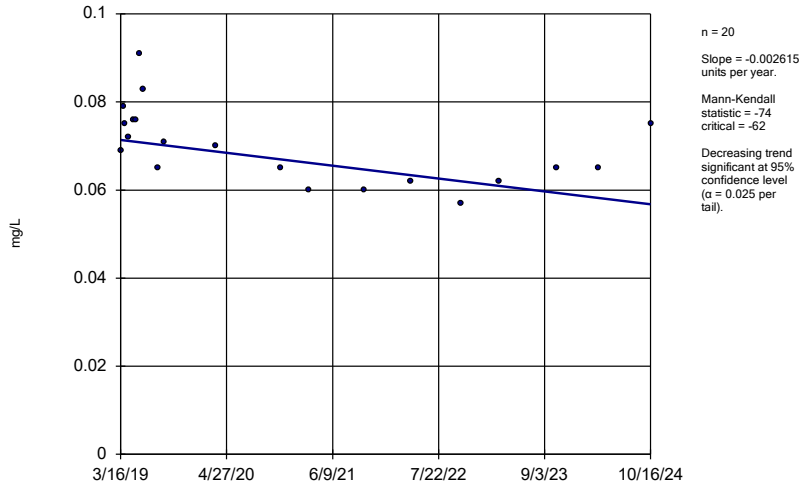
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.002615 units per year.

Mann-Kendall statistic = -74
critical = -62

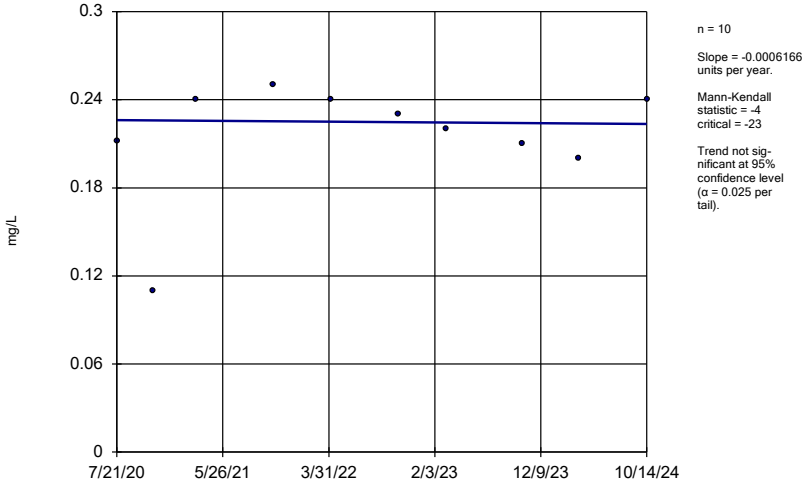
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = -0.0006166 units per year.

Mann-Kendall statistic = -4
critical = -23

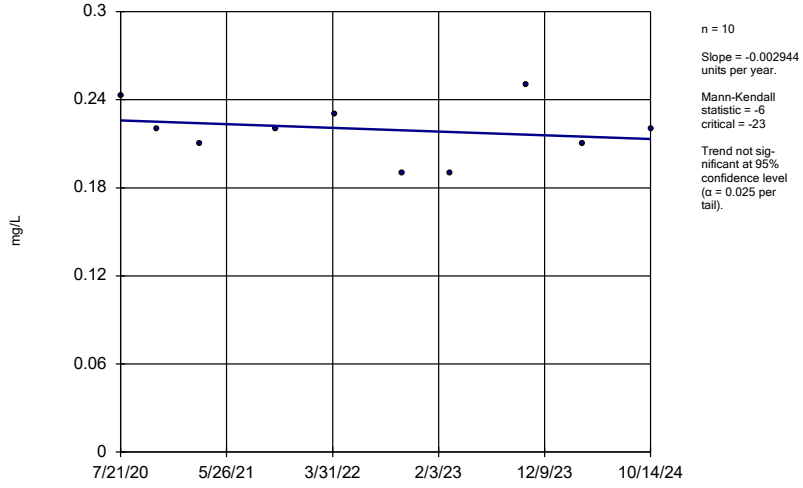
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = -0.002944 units per year.

Mann-Kendall statistic = -6
critical = -23

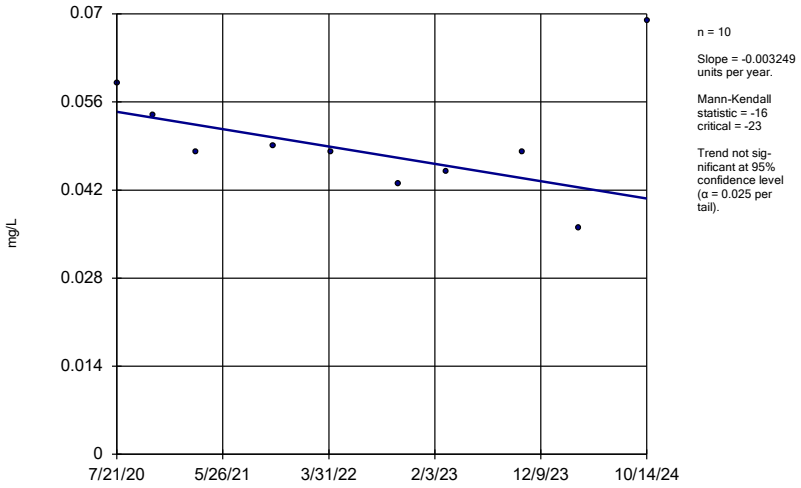
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = -0.003249 units per year.

Mann-Kendall statistic = -16
critical = -23

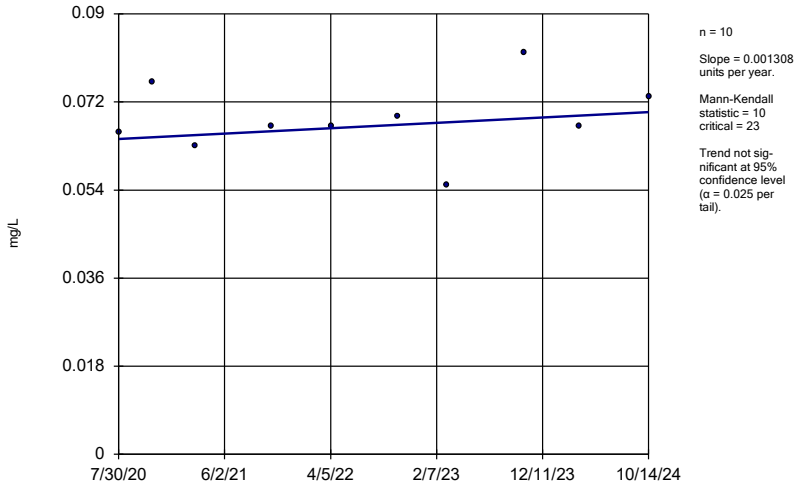
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = 0.001308 units per year.

Mann-Kendall statistic = 10
critical = 23

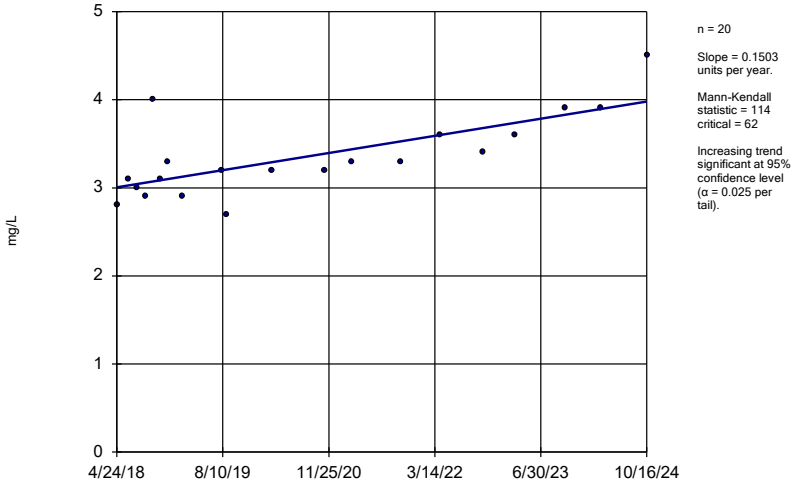
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 20

Slope = 0.1503 units per year.

Mann-Kendall statistic = 114
critical = 62

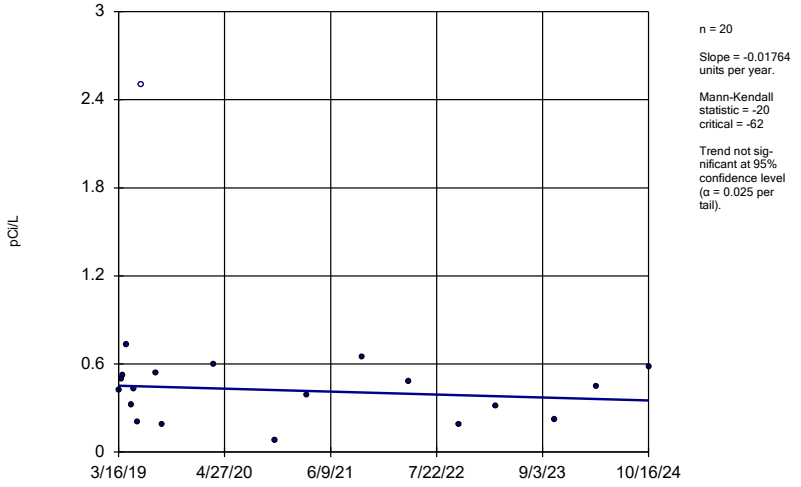
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.01764 units per year.

Mann-Kendall statistic = -20
critical = -62

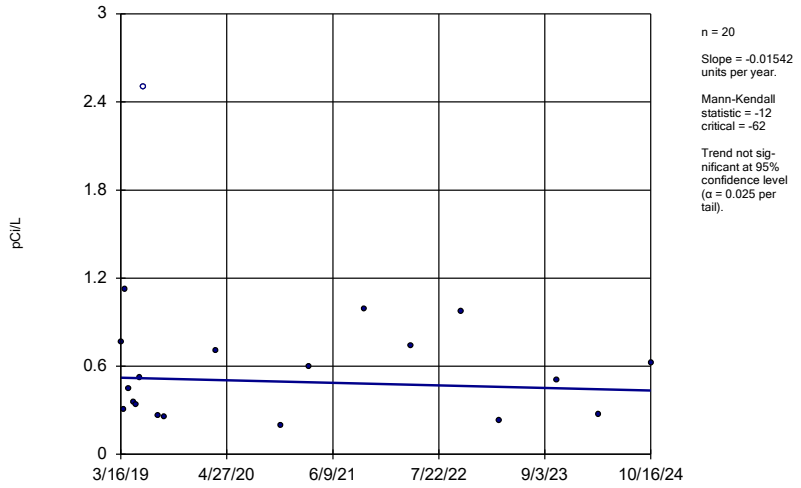
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

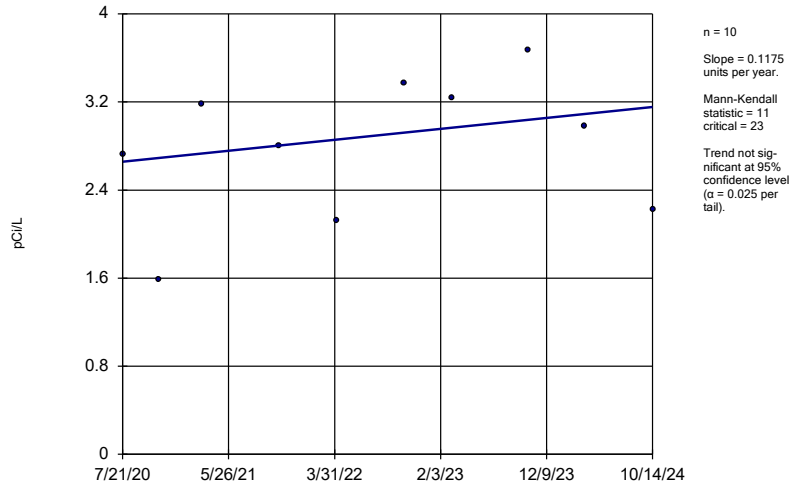


Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)

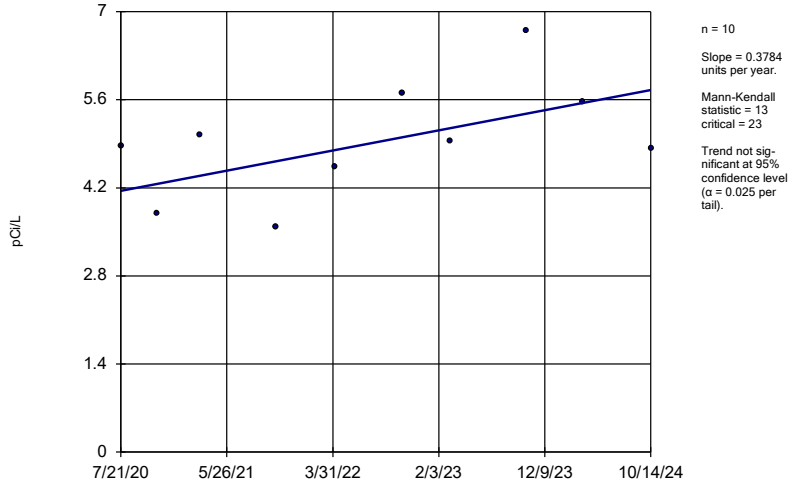


Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)

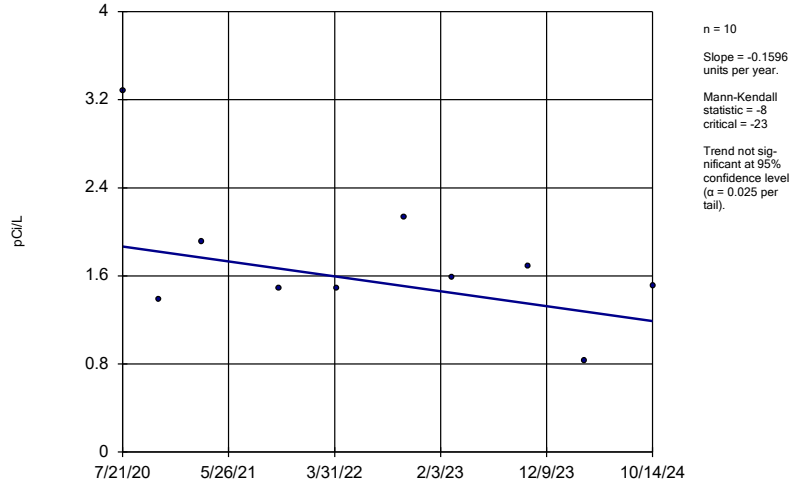


Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)

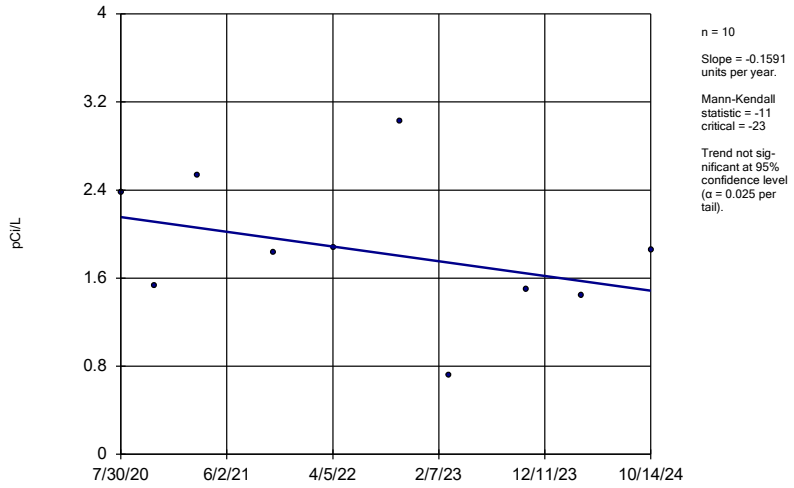


Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -0.1591 units per year.

Mann-Kendall statistic = -11
critical = -23

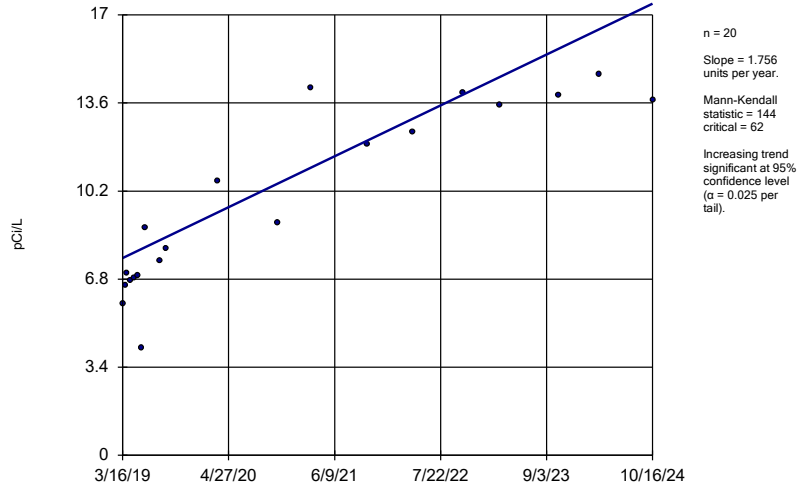
Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 20

Slope = 1.756 units per year.

Mann-Kendall statistic = 144
critical = 62

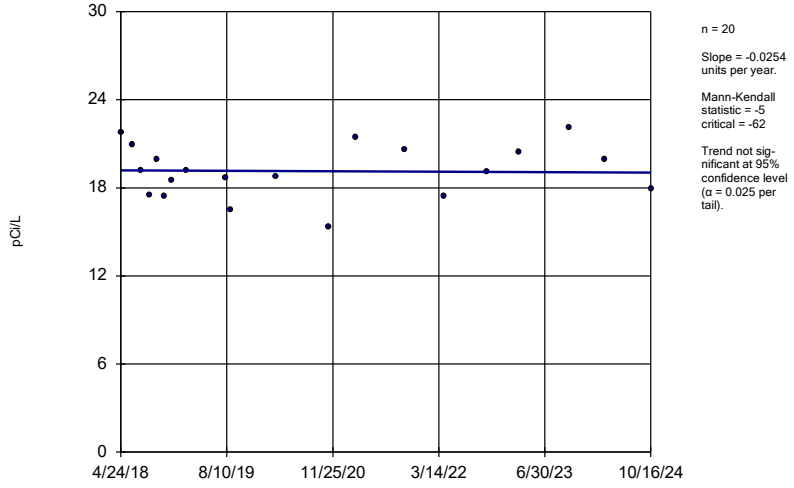
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 20

Slope = -0.0254 units per year.

Mann-Kendall statistic = -5
critical = -62

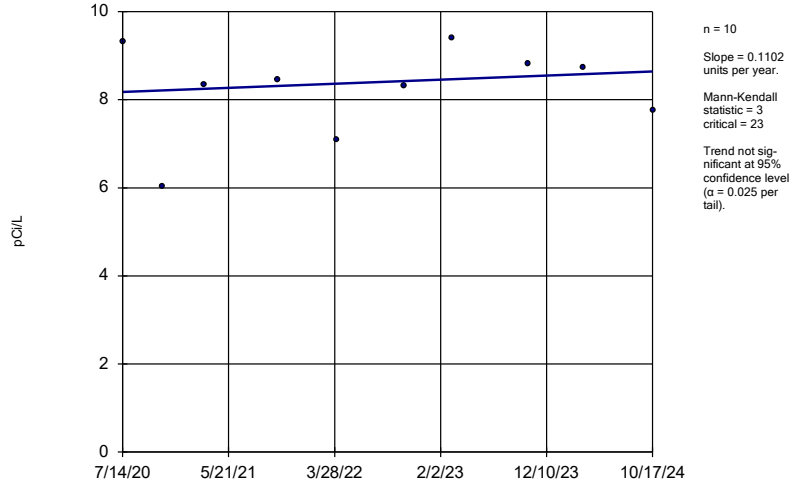
Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4D



n = 10

Slope = 0.1102 units per year.

Mann-Kendall statistic = 3
critical = 23

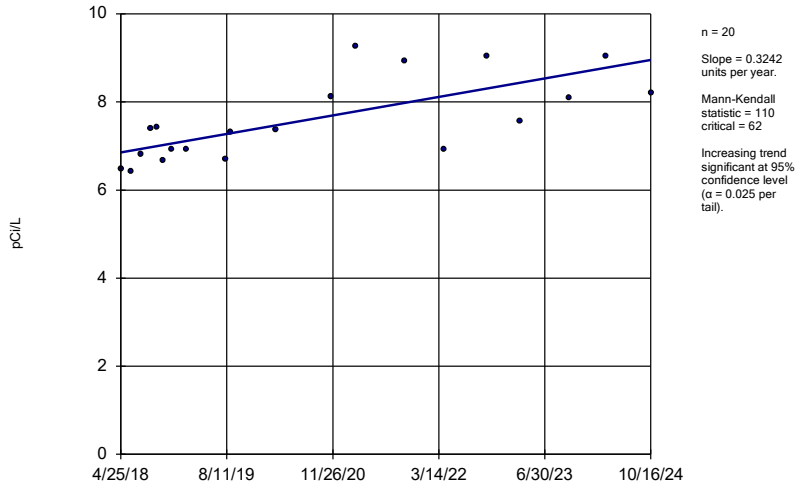
Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-9



n = 20

Slope = 0.3242 units per year.

Mann-Kendall statistic = 110
critical = 62

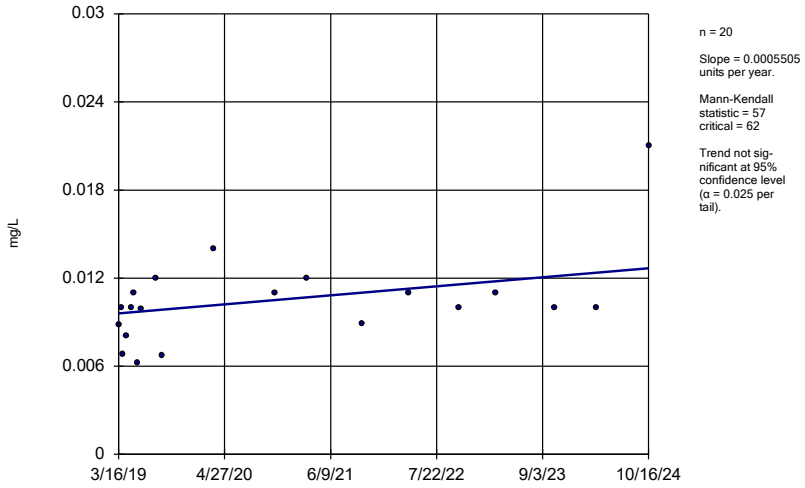
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = 0.0005505 units per year.

Mann-Kendall statistic = 57
critical = 62

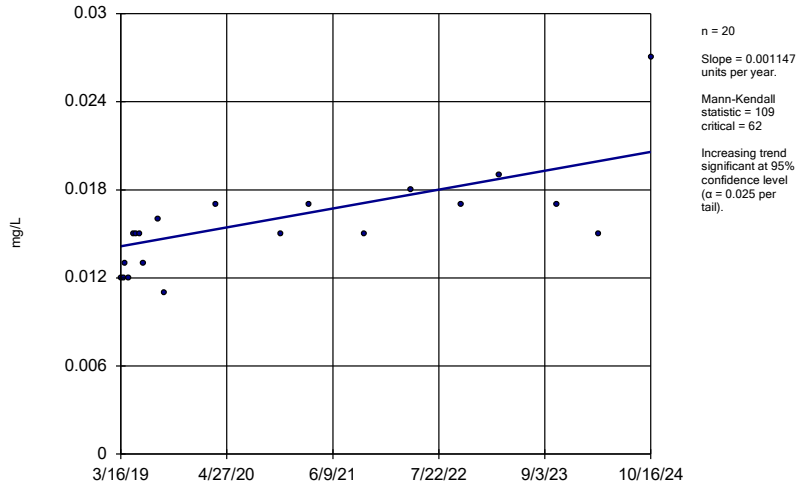
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = 0.001147 units per year.

Mann-Kendall statistic = 109
critical = 62

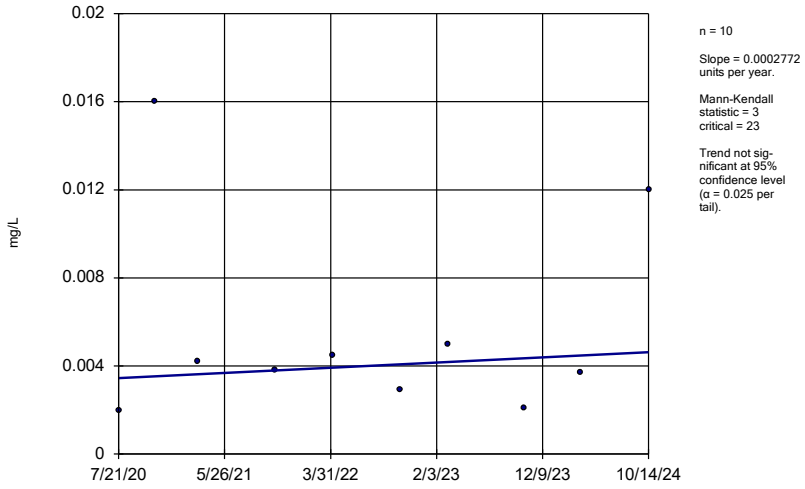
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = 0.0002772 units per year.

Mann-Kendall statistic = 3
critical = 23

Trend not significant at 95% confidence level (α = 0.025 per tail).

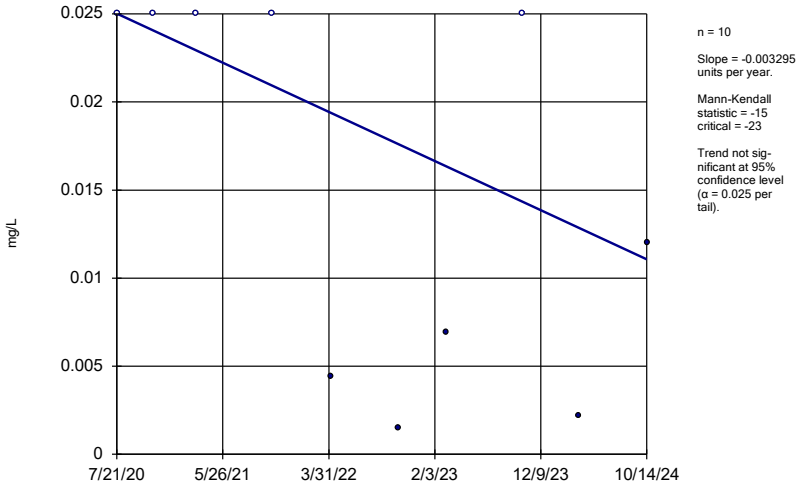
Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = -0.003295 units per year.

Mann-Kendall statistic = -15
critical = -23

Trend not significant at 95% confidence level (α = 0.025 per tail).

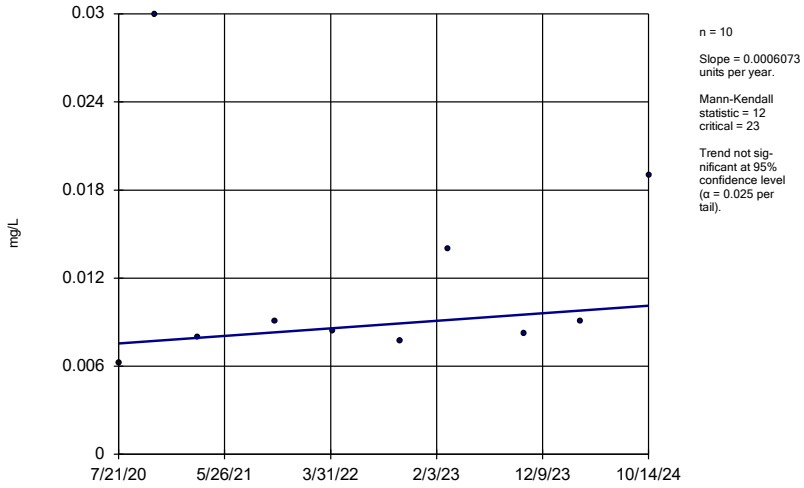
Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = 0.0006073 units per year.

Mann-Kendall statistic = 12
critical = 23

Trend not significant at 95% confidence level (α = 0.025 per tail).

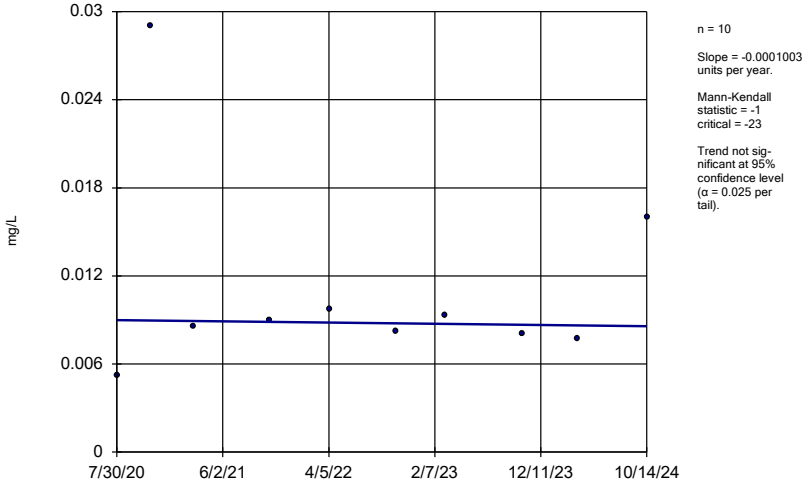
Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = -0.0001003 units per year.

Mann-Kendall statistic = -1
critical = -23

Trend not significant at 95% confidence level (α = 0.025 per tail).

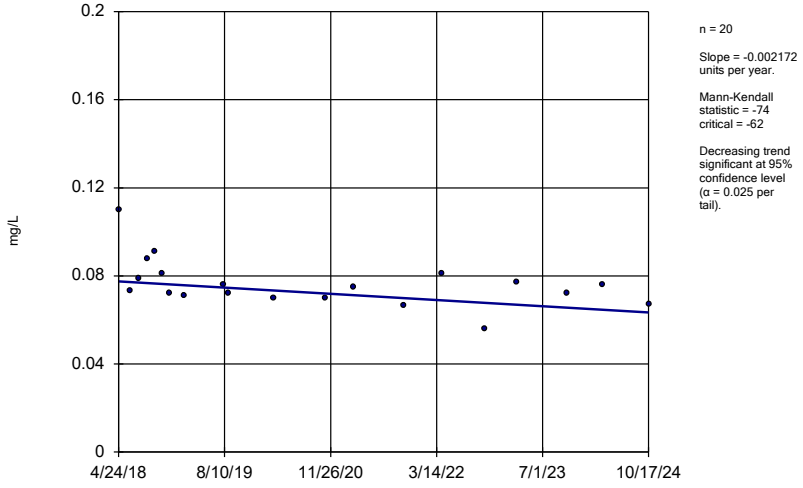
Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 20

Slope = -0.002172 units per year.

Mann-Kendall statistic = -74
critical = -62

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

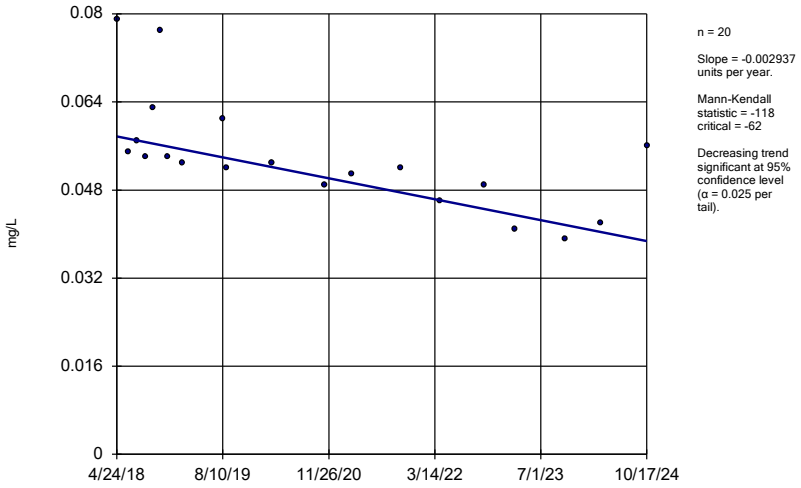
Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4



n = 20

Slope = -0.002937 units per year.

Mann-Kendall statistic = -118
critical = -62

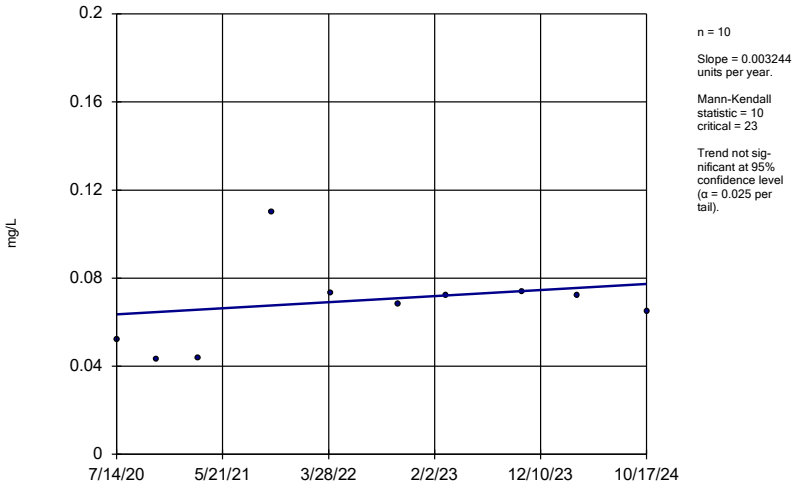
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-4D



n = 10

Slope = 0.003244 units per year.

Mann-Kendall statistic = 10
critical = 23

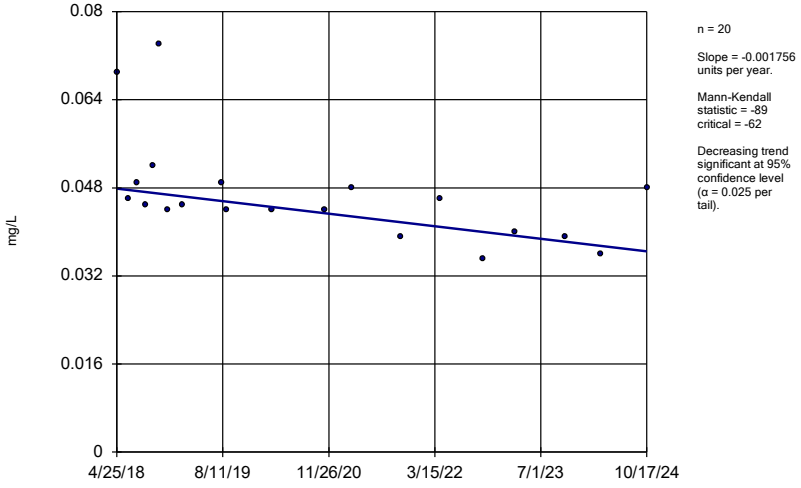
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 20

Slope = -0.001756 units per year.

Mann-Kendall statistic = -89
critical = -62

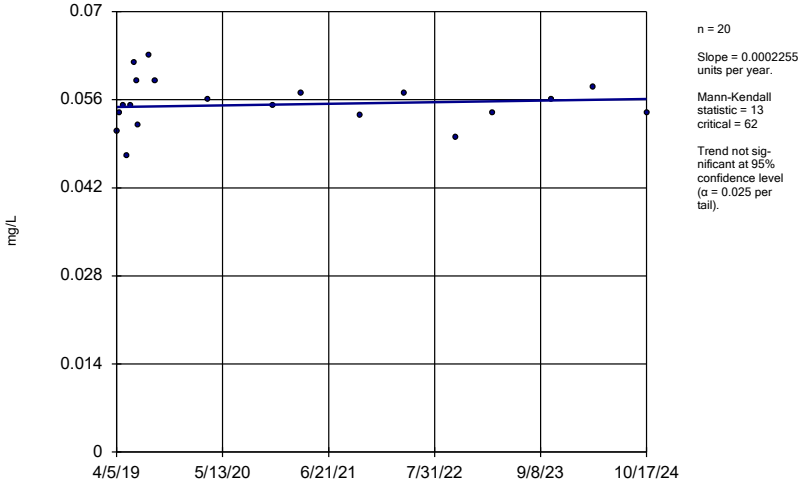
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 20

Slope = 0.0002255 units per year.

Mann-Kendall statistic = 13
critical = 62

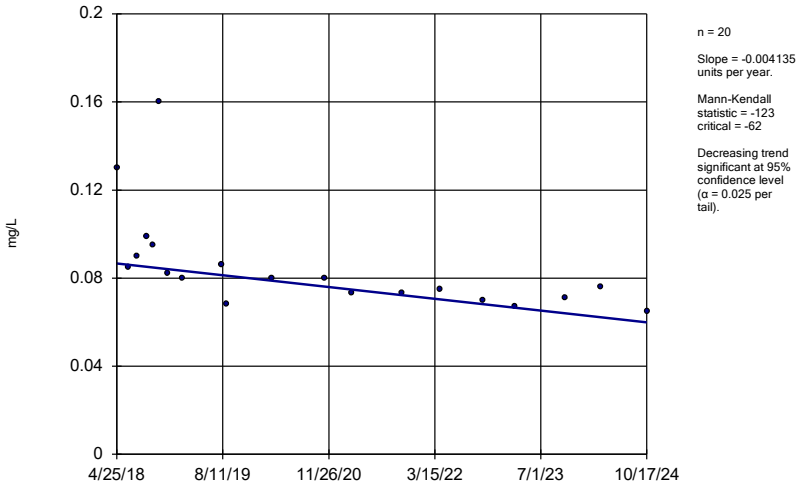
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



Constituent: Lithium Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

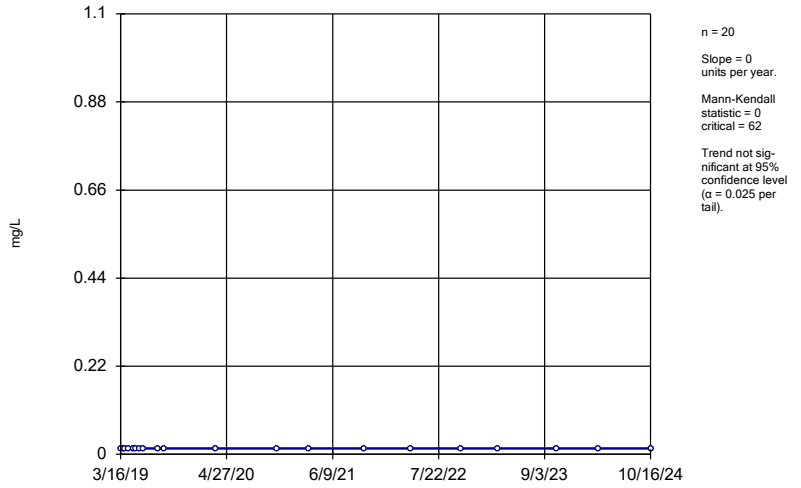
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

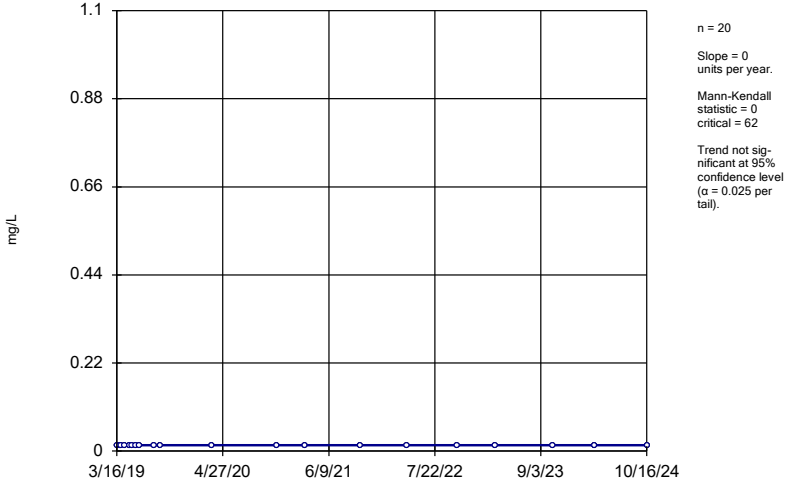
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

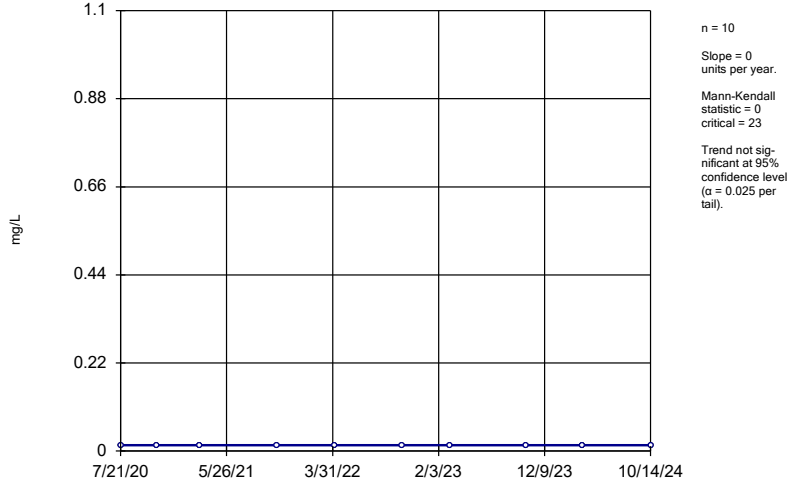
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



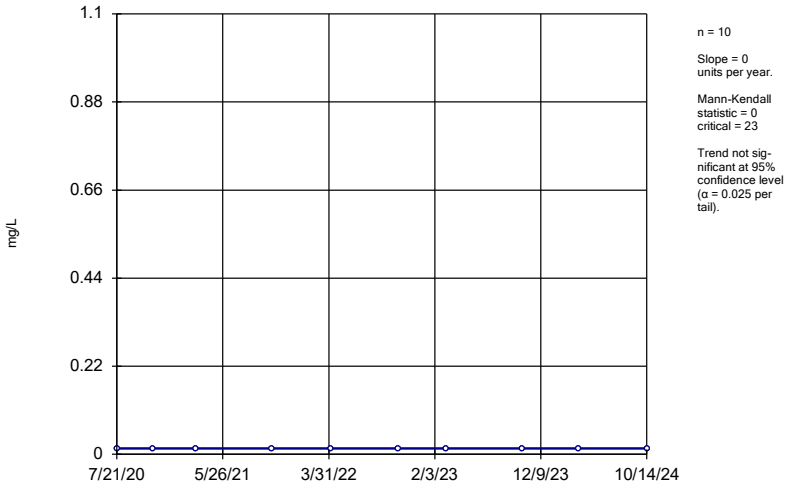
Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 23

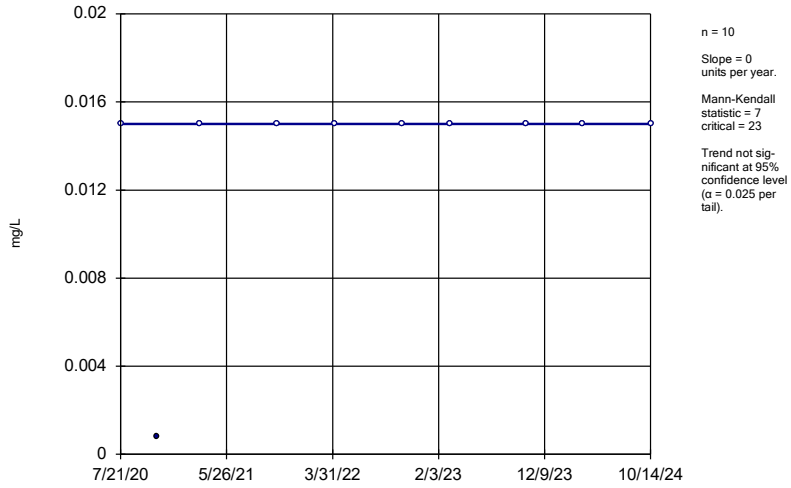
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 23

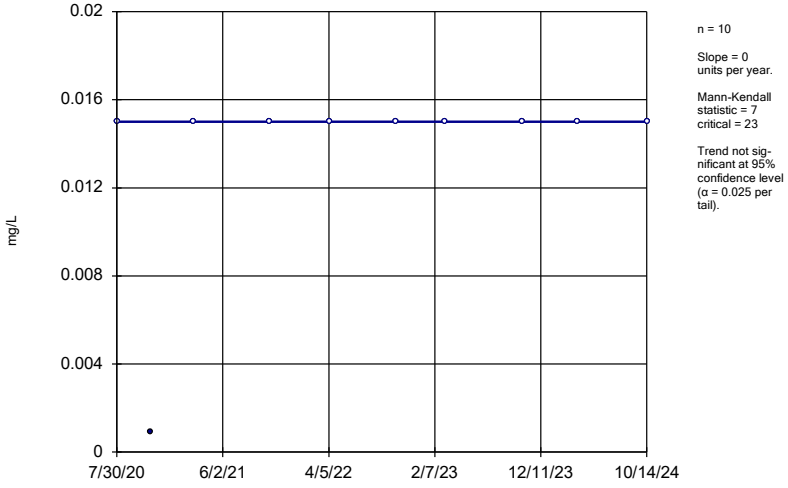
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 23

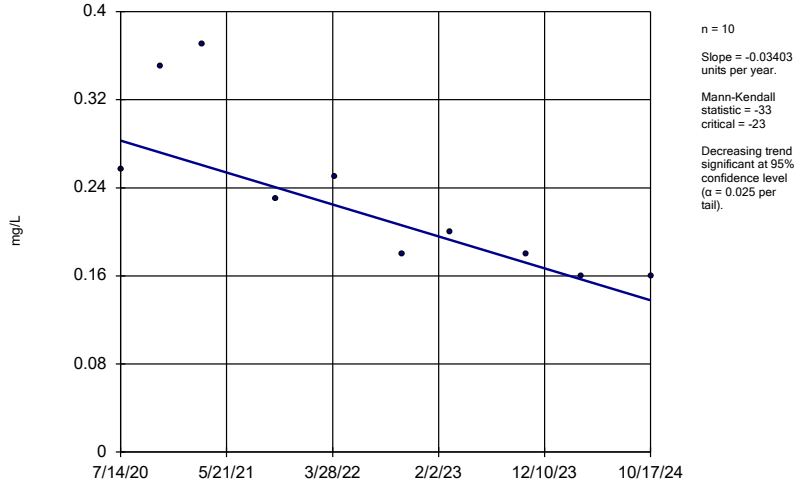
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-4D



n = 10

Slope = -0.03403 units per year.

Mann-Kendall statistic = -33 critical = -23

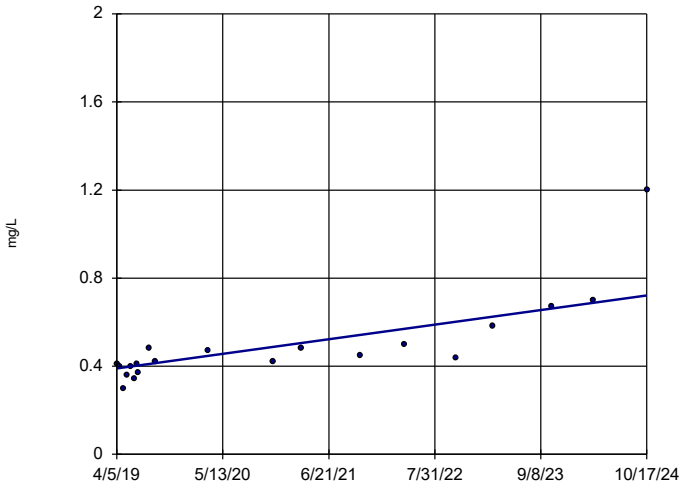
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.23a Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-6R



n = 20

Slope = 0.05984 units per year.

Mann-Kendall statistic = 134
critical = 62

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/11/2024 12:17 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Southern Company

Second Semi-Annual Event

GROUNDWATER STATS CONSULTING

July 9, 2025

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

Re: Plant Watson Ash Pond
Statistical Analysis – March/April 2025

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of data for the March/April 2025 sample event for Mississippi Power Company's Plant Watson Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Data were sent electronically and the analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

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

- **Upgradient wells:** APMW-11, APMW-12, APMW-13, APMW-14, APMW-15, and APMW-16
- **Downgradient wells:** APMW-1R, APMW-2, APMW-3, APMW-4, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9, APMW-10
- **Delineation wells:** APMW-2D, APMW-3D, APMW-4D, APMW-5D, APMW-6D, APMW-8D, and APMW-10D

Sampling began for the CCR program in April 2018 for wells listed above with some exceptions. Upgradient wells APMW-11 and APMW-12, and downgradient well APMW-1R (a replacement well for well APMW-1) were first sampled in March 2019. Sampling began in April 2019 for downgradient well APMW-6R (a replacement well for

well APMW-6). Upgradient wells APMW-13, APMW-14, APMW-15, and APMW-16 along with delineation wells were first sampled in July 2020.

Note that all data from upgradient wells are incorporated into the interwell statistical limits. Additionally, data for wells APMW-1R and APMW-6R were combined with their corresponding wells APMW-1 and APMW-6, respectively.

Delineation wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 8 samples is available and, currently, all delineation wells have sufficient samples. Data from all the delineation wells are also plotted on the time series graphs and box plots.

The CCR program consists of the following constituents:

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

Time series plots and box plots are included for all constituents at all wells (Figures A and B, respectively). 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. Note that due to dilution factors and varying reporting limits, including elevated reporting limits at or above respective MCLs during this event, historical reporting limits were substituted for the following constituents:

- Antimony – 0.002 mg/L
- Arsenic – 0.005 mg/L
- Beryllium – 0.0025 mg/L
- Cadmium – 0.0025 mg/L
- Chromium – 0.002 mg/L
- Cobalt – 0.0025 mg/L
- Fluoride – 0.2 mg/L
- Lead – 0.001 mg/L
- Lithium – 0.005 mg/L
- Molybdenum – 0.015 mg/L
- Selenium – 0.005 mg/L
- Thallium – 0.001 mg/L

Summary of Background Screening – Conducted in April 2019

Data at upgradient and downgradient wells were evaluated during the background screening conducted in April 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Interwell prediction limits were selected as the most appropriate statistical method to evaluate the Appendix III parameters at this site. Power curves were submitted at that time and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

During the background screening conducted in April 2019, Tukey's box plot method was used to screen for outliers and the findings were submitted at that time. 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 and the accompanying data pages display the flagged value in a lighter font.

Summary of Statistical Methods

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. The confidence levels associated with parametric prediction limits are based on an overall false positive rate of 5%. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized where the highest background value is used to establish the upper prediction limit (and lowest value in the case of pH). The associated confidence level is dependent on the number of available background samples, future comparisons, and resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (USEPA Unified Guidance, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- 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 careful screening for any new outliers. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting 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.

Background Update – March/April 2025

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 upgradient wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method (Figure C) 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 often 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.

Using the Tukey's box plot method to evaluate pooled upgradient well data and visual screening with time series graphs, Tukey's test did not identify any observations as potential outliers; however, the highest value for sulfate at upgradient well APMW-13 flagged during previous analyses was confirmed via visual screening. The highest observation for sulfate at APMW-13 was several standard deviations above remaining measurements and remains flagged in order to maintain statistical limits readily capable of detecting changes in groundwater. The highest value in upgradient well APMW-14 for

sulfate was unflagged during this analysis since a subsequent value of similar magnitude was observed within the record.

During this analysis, observations among downgradient wells were also re-evaluated through visual screening using time series graphs. The highest measurements for fluoride in wells APMW-6R and APMW-8 were flagged as outliers and the previously flagged measurement of fluoride in well APMW-2 was confirmed as an outlier. Each of these measurements are several standard deviations above remaining measurements within each well. Previously flagged values for fluoride at wells APMW-5 and APMW-9 and lithium at wells APMW-7 and APMW-9 were unflagged since the observations are not significantly higher compared to remaining concentrations within the respective records or are within the range of concentrations upgradient of the facility.

When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A summary of measurements flagged as outliers is included in Figure C.

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 (Figure D). In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different 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 following statistically significant trends were identified at upgradient wells:

Appendix III
Increasing:

- None

Decreasing:

- pH: APMW-11
- TDS: APMW-15

Appendix IV
Increasing:

- Lithium: APMW-12

Decreasing:

- Barium: APMW-11 and APMW-12

Although the results of the trend analyses showed statistically significant decreasing and increasing trends for the Appendix III and IV parameters; the magnitudes of the trends noted, particularly for Appendix IV parameters, were relatively low compared to average pooled upgradient concentrations, and overall upgradient concentrations were low relative to their respective MCLs. 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 require truncation.

Evaluation of Appendix III Parameters – March/April 2025

Background (upgradient) well data were visually screened for potential outliers using time series plots during this analysis as described above. A summary of all flagged values follows this letter (Figure C).

The time series plots were also used to identify variation among data in upgradient wells. It was noted that concentrations for boron, calcium, chloride, sulfate, and TDS across the new upgradient wells are similar, but significantly higher than those observed in the existing upgradient wells. Further studies beyond the scope of this analysis would be needed to fully understand the groundwater population upgradient of the ash pond, and the appropriateness of pooling all upgradient well data for construction of prediction limits. The assumption at this time, however, is that pooling all upgradient well data results in statistical limits that are representative of the entire background population and serve to balance the false positive risk (identifying a problem in a downgradient well when none exists) with the false negative risk (not identifying impacts when present in a downgradient well).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for all Appendix III constituents--boron, calcium, chloride, fluoride, pH, sulfate, and TDS--using pooled upgradient well data through March/April 2025 to develop background limits (Figure E). The March/April 2025 observation at each downgradient well was compared to its respective background limit during this analysis.

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 the 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 a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary.

Summary tables of the prediction limit findings follow this letter. When the March/April 2025 samples from downgradient wells were evaluated using interwell prediction limits, exceedances were identified for the following well/constituent pairs:

- Boron: APMW-1R, APMW-5, APMW-6R, APMW-8, and APMW-9
- Calcium: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, and APMW-9
- Chloride: APMW-3 and APMW-5
- pH (lower limit): APMW-6R
- TDS: APMW-3 and APMW-5

Trend Tests

The Sen's Slope/Mann Kendall trend test was performed at the 99% confidence level on wells/constituent pairs with prediction limit exceedances (Figure F) to evaluate whether data are increasing, decreasing, or stable. Upgradient wells were included in this analysis for a general comparison of how the groundwater behaves upgradient of the facility relative to downgradient. A summary of these findings follows this letter. When the entire record of data was evaluated, the following statistically significant trends were identified:

Increasing

- Boron: APMW-6R
- Calcium: APMW-1R

Decreasing

- Calcium: APMW-5
- Chloride: APMW-3 and APMW-5
- pH: APMW-11 (upgradient)
- TDS: APMW-15 (upgradient)

Evaluation of Appendix IV Parameters – March/April 2025

For analysis of Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis and a list of 100% non-detect downgradient well/constituent pairs follows this report. Data from background (upgradient) wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged and a summary of flagged outliers follows this report.

Interwell Upper Tolerance Limits

Parametric upper tolerance limits (UTLs) were used to calculate background limits, when data followed a normal distribution, from pooled upgradient well data through April 2025 for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine the background limits (Figure G). When data did not follow a normal or transformed-normal distribution, nonparametric upper tolerance limits were constructed and the confidence and coverage levels are dependent upon the number of background samples.

Groundwater Protection Standards

UTLs were compared to the Maximum Contaminant Levels (MCs) and CCR-Rule Specified Levels in the GWPS table following this letter to determine the highest limit for use as the Groundwater Protection Standard (GWPS) in the Confidence Interval comparisons (Figure H).

Confidence Intervals

Confidence intervals were then constructed on downgradient wells for each of the Appendix IV parameters using the highest limit of either the MCL, CCR-Rule Specified level, or background as discussed above (Figure I). 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 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 confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned, well/constituent pairs containing 100% non-detects did not require statistics; therefore, these pairs were deselected prior to construction of confidence intervals. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Exceedances were identified for the following well/constituent pairs:

- Arsenic: APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R, APMW-2, APMW-4D, APMW-7, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Trend Tests

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level (Figure J). Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their confidence interval in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Arsenic: APMW-5D and APMW-6R
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R and APMW-9
- Lithium: APMW-12 (upgradient)
- Molybdenum: APMW-6R

Decreasing

- Arsenic: APMW-8 and APMW-10
- Barium: APMW-11 and APMW-12 (both upgradient)
- Lithium: APMW-4 and APMW-8
- Molybdenum: APMW-4D

A summary of all results follows this letter. Note that Southern Company Services, reportedly, submitted an Alternate Source Demonstration (ASD) for barium and combined radium 226 + 228 confidence interval exceedances.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Watson Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark
Groundwater Analyst



Andrew T. Collins
Project Manager

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Summary Tables

100% Non-Detects: Appendix IV Downgradient

Analysis Run 6/13/2025 8:43 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Antimony (mg/L)
APMW-10, APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6R, APMW-7, APMW-8D, APMW-9

Beryllium (mg/L)
APMW-2D, APMW-3D, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-8D

Cadmium (mg/L)
APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-7, APMW-8, APMW-8D, APMW-9

Chromium (mg/L)
APMW-10, APMW-10D, APMW-2, APMW-3D, APMW-6D, APMW-6R, APMW-8D, APMW-9

Cobalt (mg/L)
APMW-2, APMW-2D, APMW-8

Lead (mg/L)
APMW-3D, APMW-6D, APMW-8D

Mercury (mg/L)
APMW-10D, APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Molybdenum (mg/L)
APMW-1R

Selenium (mg/L)
APMW-10D, APMW-1R, APMW-2D, APMW-4D, APMW-5D, APMW-6D, APMW-8D

Thallium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-6R, APMW-7, APMW-8D

Appendix III Upgradient Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**

Appendix III Upgradient Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	-2	-81	No	20	45	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.0008779	34	81	No	20	30	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.003826	-4	-34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01508	11	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.01935	15	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0277	12	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.6834	-70	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-51	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.5603	-8	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	4.875	21	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.011	-32	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.607	-24	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.04955	-26	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1836	-69	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-64.5	-28	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-29.44	-13	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-23	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-98.92	-15	-34	No	11	0	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	15	87	No	21	38.1	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	0.001442	14	87	No	21	14.29	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	0.003349	3	34	No	11	0	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	6	34	No	11	45.45	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.006766	5	34	No	11	9.091	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.01357	1	34	No	11	9.091	n/a	0.01	NP
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.04	-65	-81	No	20	0	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.03504	23	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.005069	9	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01138	-7	-34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00766	5	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.01917	-30	-81	No	20	35	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.04844	-71	-81	No	20	30	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	7.213	10	30	No	10	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	81.79	33	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	2.451	6	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	7.522	18	34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.775	-76	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-4.078	-70	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-79.26	-28	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-200.3	-24	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-199.5	-21	-34	No	11	0	n/a	0.01	NP

Appendix IV Upgradient Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Upgradient Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Antimony (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Antimony (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-16 (bg)	0	0	27	No	11	90.91	n/a	0.05	NP
Arsenic (mg/L)	APMW-11 (bg)	0	33	66	No	21	85.71	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	0	-1	-66	No	21	28.57	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	1	27	No	11	81.82	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-7	-27	No	11	45.45	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	27	No	11	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0.00005028	6	27	No	11	9.091	n/a	0.05	NP
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003349	-11	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.004078	-12	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00216	-21	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0	1	27	No	11	0	n/a	0.05	NP
Beryllium (mg/L)	APMW-11 (bg)	0	11	66	No	21	90.48	n/a	0.05	NP
Beryllium (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Beryllium (mg/L)	APMW-13 (bg)	0	-10	-27	No	11	90.91	n/a	0.05	NP
Beryllium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Beryllium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Beryllium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-16 (bg)	0	10	27	No	11	90.91	n/a	0.05	NP
Chromium (mg/L)	APMW-11 (bg)	0	-1	-58	No	19	89.47	n/a	0.05	NP
Chromium (mg/L)	APMW-12 (bg)	0	-4	-58	No	19	94.74	n/a	0.05	NP
Chromium (mg/L)	APMW-13 (bg)	0	-13	-27	No	11	81.82	n/a	0.05	NP
Chromium (mg/L)	APMW-14 (bg)	0	-8	-27	No	11	90.91	n/a	0.05	NP
Chromium (mg/L)	APMW-15 (bg)	0	3	27	No	11	45.45	n/a	0.05	NP
Chromium (mg/L)	APMW-16 (bg)	0	0	27	No	11	63.64	n/a	0.05	NP
Cobalt (mg/L)	APMW-11 (bg)	0	-60	-66	No	21	61.9	n/a	0.05	NP
Cobalt (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-16 (bg)	0	4	27	No	11	90.91	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.009533	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01717	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.07045	7	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	21	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1566	-16	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.03196	-7	-27	No	11	0	n/a	0.05	NP
Fluoride (mg/L)	APMW-11 (bg)	0	15	66	No	21	38.1	n/a	0.05	NP
Fluoride (mg/L)	APMW-12 (bg)	0.001442	14	66	No	21	14.29	n/a	0.05	NP
Fluoride (mg/L)	APMW-13 (bg)	0.003349	3	27	No	11	0	n/a	0.05	NP
Fluoride (mg/L)	APMW-14 (bg)	0	6	27	No	11	45.45	n/a	0.05	NP
Fluoride (mg/L)	APMW-15 (bg)	0.006766	5	27	No	11	9.091	n/a	0.05	NP
Fluoride (mg/L)	APMW-16 (bg)	0.01357	1	27	No	11	9.091	n/a	0.05	NP

Appendix IV Upgradient Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lead (mg/L)	APMW-11 (bg)	0	-8	-66	No	21	95.24	n/a	0.05	NP
Lead (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Lead (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lithium (mg/L)	APMW-11 (bg)	0.0003259	37	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0005415	11	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0.0003918	11	27	No	11	45.45	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.001267	20	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	0.0006606	5	27	No	11	0	n/a	0.05	NP
Mercury (mg/L)	APMW-11 (bg)	0	8	58	No	19	94.74	n/a	0.05	NP
Mercury (mg/L)	APMW-12 (bg)	0	18	58	No	19	94.74	n/a	0.05	NP
Mercury (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Selenium (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Selenium (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Selenium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Selenium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Selenium (mg/L)	APMW-15 (bg)	0	-10	-27	No	11	90.91	n/a	0.05	NP
Selenium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-11 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Thallium (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Thallium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP

Interwell Prediction Limits - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**4/3/2025**	**6.5**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**4/3/2025**	**6.7**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/31/2025**	**12**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**4/3/2025**	**19**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**4/3/2025**	**8.2**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**4/3/2025**	**190**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**4/3/2025**	**330**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**4/4/2025**	**260**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**4/3/2025**	**230**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**3/31/2025**	**370**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**4/3/2025**	**490**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**4/3/2025**	**280**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**4/4/2025**	**8700**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**4/3/2025**	**6600**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
pH (SU)	**APMW-6R**	**6.98**	**5.89**	**3/31/2025**	**5.48**	**Yes**	**85**	**0**	**n/a**	**n/a**	**0.0005335**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**4/4/2025**	**15000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**4/3/2025**	**12000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	4/2/2025	2.9J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**4/3/2025**	**6.5**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-2	1.2	n/a	4/3/2025	3.3J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	4/4/2025	4.5J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-4	1.2	n/a	4/3/2025	1J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**4/3/2025**	**6.7**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/31/2025**	**12**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	4/4/2025	0.97J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**4/3/2025**	**19**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**4/3/2025**	**8.2**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	150	n/a	4/2/2025	35	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**4/3/2025**	**190**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**4/3/2025**	**330**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**4/4/2025**	**260**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	150	n/a	4/3/2025	110	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**4/3/2025**	**230**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**3/31/2025**	**370**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	150	n/a	4/4/2025	110	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**4/3/2025**	**490**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**4/3/2025**	**280**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	4/2/2025	510	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	4/3/2025	2700	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	4/3/2025	2600	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**4/4/2025**	**8700**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	4/3/2025	2400	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**4/3/2025**	**6600**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	3/31/2025	3800	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	4/4/2025	4800	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	4/3/2025	4100	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	4/3/2025	3100	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	4/2/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-1R	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	4/4/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	4/3/2025	0.31J	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	3/31/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	4/4/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	4/3/2025	0.47J	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.98	5.89	4/2/2025	6.84	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-1R	6.98	5.89	4/3/2025	6.36	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-2	6.98	5.89	4/3/2025	5.97	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-3	6.98	5.89	4/4/2025	6.49	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-4	6.98	5.89	4/3/2025	6.31	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-5	6.98	5.89	4/3/2025	6.33	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	**APMW-6R**	**6.98**	**5.89**	**3/31/2025**	**5.48**	**Yes**	**85**	**0**	**n/a**	**n/a**	**0.0005335**	**NP Inter (normality) 1 of 2**
pH (SU)	APMW-7	6.98	5.89	4/4/2025	6.35	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-8	6.98	5.89	4/3/2025	6.69	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-9	6.98	5.89	4/3/2025	6.32	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-10	1200	n/a	4/2/2025	1ND	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	1200	n/a	4/3/2025	1ND	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	1200	n/a	4/3/2025	3.8J	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-3	1200	n/a	4/4/2025	960	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-4	1200	n/a	4/3/2025	180	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	1200	n/a	4/3/2025	590	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	1200	n/a	3/31/2025	820	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	1200	n/a	4/4/2025	71	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	1200	n/a	4/3/2025	570	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	1200	n/a	4/3/2025	190	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	4/2/2025	1200	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	4/3/2025	4200	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	4/3/2025	4000	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**4/4/2025**	**15000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	4/3/2025	3700	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**4/3/2025**	**12000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	3/31/2025	7300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	4/4/2025	7500	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	4/3/2025	7300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	4/3/2025	5300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:44 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	**APMW-6R**	**0.4588**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**12.5**	**98**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-5**	**-10.31**	**-99**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-342.8**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-255.7**	**-112**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:44 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	-2	-81	No	20	45	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.0008779	34	81	No	20	30	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.003826	-4	-34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01508	11	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.01935	15	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0277	12	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.2017	44	81	No	20	0	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.0555	-33	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4588**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	-0.2703	-54	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	APMW-9	0.09828	44	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.6834	-70	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-51	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.5603	-8	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	4.875	21	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.011	-32	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.607	-24	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**12.5**	**98**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	0	9	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-6.945	-68	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	**APMW-5**	**-10.31**	**-99**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-6R	-14.68	-78	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-8	0	-21	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-4.095	-71	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.04955	-26	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1836	-69	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-64.5	-28	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-29.44	-13	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-23	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-98.92	-15	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-342.8**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-255.7**	**-112**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.04	-65	-81	No	20	0	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.03504	23	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.005069	9	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01138	-7	-34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00766	5	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-6R	-0.0187	-43	-87	No	21	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.775	-76	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-4.078	-70	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-79.26	-28	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-200.3	-24	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-199.5	-21	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-327	-48	-87	No	21	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-483.1	-86	-87	No	21	0	n/a	0.01	NP

Upper Tolerance Limits - Summary Table

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	86	45.35	n/a	n/a	0.01214	NP Inter(normality)
Barium (mg/L)	n/a	0.25	n/a	n/a	n/a	n/a	86	0	n/a	n/a	0.01214	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	95.35	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a	82	80.49	n/a	n/a	0.01491	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	89.53	n/a	n/a	0.01214	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	5.849	n/a	n/a	n/a	n/a	86	2.326	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.54	n/a	n/a	n/a	n/a	86	20.93	n/a	n/a	0.01214	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	n/a	0.0249	n/a	n/a	n/a	n/a	86	5.814	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	82	97.56	n/a	n/a	0.01491	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.849	5.849
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

Confidence Intervals Summary Table - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.11**	**0.032**	**0.01**	**Yes**	**21**	**0.07576**	**0.03941**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08012**	**0.06307**	**0.01**	**Yes**	**21**	**0.0716**	**0.01546**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2333**	**0.2115**	**0.01**	**Yes**	**21**	**0.2224**	**0.01972**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01904**	**0.01252**	**0.01**	**Yes**	**11**	**0.01578**	**0.003907**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.2136**	**0.1421**	**0.01**	**Yes**	**21**	**0.1779**	**0.06485**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.06659**	**0.03417**	**0.01**	**Yes**	**21**	**0.05038**	**0.02938**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.671**	**3.12**	**2**	**Yes**	**21**	**3.395**	**0.4995**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.92**	**8.118**	**5.849**	**Yes**	**21**	**10.02**	**3.447**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.04**	**18.07**	**5.849**	**Yes**	**21**	**19.06**	**1.783**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**8.998**	**7.335**	**5.849**	**Yes**	**11**	**8.166**	**0.998**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.466**	**5.852**	**5.849**	**Yes**	**21**	**6.659**	**1.463**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.111**	**7.114**	**5.849**	**Yes**	**21**	**7.612**	**0.9042**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08342**	**0.07072**	**0.04**	**Yes**	**21**	**0.07707**	**0.01151**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05918**	**0.04711**	**0.04**	**Yes**	**21**	**0.05314**	**0.01094**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08172**	**0.05086**	**0.04**	**Yes**	**11**	**0.06629**	**0.01852**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05753**	**0.05338**	**0.04**	**Yes**	**21**	**0.05545**	**0.003761**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.09275**	**0.07057**	**0.04**	**Yes**	**21**	**0.0835**	**0.02374**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-4D**	**0.289**	**0.1631**	**0.1**	**Yes**	**11**	**0.2261**	**0.07554**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.37**	**0.1**	**Yes**	**21**	**0.4714**	**0.2083**	**0**	**None**	**No**	**0.01**	**NP (normality)**

Confidence Intervals Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.002	0.006	No	11	0.001866	0.0004432	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	APMW-1R	0.002	0.00057	0.006	No	21	0.001932	0.0003121	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	21	0.001971	0.0001309	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.0014	0.006	No	21	0.001904	0.0003283	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.002	0.006	No	11	0.001886	0.0003769	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	21	0.001936	0.0002924	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.11**	**0.032**	**0.01**	**Yes**	**21**	**0.07576**	**0.03941**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01342	0.005451	0.01	No	11	0.009436	0.004783	9.091	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001497	0.0006606	0.01	No	21	0.002208	0.001755	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	21	0.004203	0.00169	80.95	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003316	0.002382	0.01	No	11	0.002849	0.0005601	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08012**	**0.06307**	**0.01**	**Yes**	**21**	**0.0716**	**0.01546**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003728	0.002799	0.01	No	11	0.003264	0.0005573	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0075	0.01	No	21	0.01372	0.005423	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005499	0.00307	0.01	No	11	0.004285	0.001457	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2333**	**0.2115**	**0.01**	**Yes**	**21**	**0.2224**	**0.01972**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01904**	**0.01252**	**0.01**	**Yes**	**11**	**0.01578**	**0.003907**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005691	0.004058	0.01	No	11	0.004875	0.0009794	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.2136**	**0.1421**	**0.01**	**Yes**	**21**	**0.1779**	**0.06485**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.001633	0.000722	0.01	No	21	0.001275	0.000924	4.762	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	**APMW-8**	**0.06659**	**0.03417**	**0.01**	**Yes**	**21**	**0.05038**	**0.02938**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.003849	0.002204	0.01	No	11	0.003027	0.000987	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001388	0.00117	0.01	No	21	0.001279	0.000197	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3185	0.2586	2	No	21	0.2886	0.05425	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03094	0.02124	2	No	11	0.02553	0.007606	9.091	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.541	1.103	2	No	21	1.322	0.3976	0	None	No	0.01	Param.
Barium (mg/L)	**APMW-2**	**3.671**	**3.12**	**2**	**Yes**	**21**	**3.395**	**0.4995**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06738	0.04349	2	No	11	0.05544	0.01433	0	None	No	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.098	2	No	21	0.1002	0.008942	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1811	0.1507	2	No	11	0.1659	0.01828	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.3846	0.2251	2	No	21	0.3162	0.1479	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-4D	0.24	0.077	2	No	11	0.1376	0.08806	0	None	No	0.006	NP (normality)
Barium (mg/L)	APMW-5	0.106	0.09771	2	No	21	0.1019	0.007519	0	None	No	0.01	Param.
Barium (mg/L)	APMW-5D	0.05958	0.04077	2	No	11	0.05017	0.01129	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1671	0.09363	2	No	11	0.1304	0.04408	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06018	0.04924	2	No	21	0.05471	0.009915	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8217	0.6412	2	No	21	0.7314	0.1636	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	21	0.2281	0.02839	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1429	0.07925	2	No	11	0.1111	0.03821	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.5138	0.4414	2	No	21	0.4776	0.06557	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	21	0.002319	0.0005754	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.0025	0.004	No	11	0.002325	0.0005819	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	21	0.00239	0.0005041	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00032	0.004	No	21	0.001875	0.001015	71.43	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00021	0.004	No	21	0.00228	0.0006933	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-4	0.0025	0.00024	0.004	No	21	0.002392	0.0004932	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.003	0.00036	0.004	No	21	0.002422	0.0004848	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	21	0.002393	0.000491	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	21	0.002294	0.0006498	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	21	0.00219	0.0007781	85.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	21	0.002393	0.000491	95.24	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.0025	0.005	No	11	0.002295	0.0006784	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	21	0.00229	0.0006634	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	21	0.002058	0.0009338	80.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.0012	0.1	No	19	0.002021	0.0003392	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.002	0.1	No	11	0.001997	0.0001857	81.82	None	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	19	0.001937	0.0001892	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002196	0.001547	0.1	No	19	0.002068	0.0005034	36.84	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	APMW-4D	0.002	0.002	0.1	No	11	0.002418	0.001387	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	19	0.001842	0.0003388	68.42	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.002	0.0019	0.1	No	11	0.00208	0.0006122	72.73	Kaplan-Meier	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-7	0.002	0.0014	0.1	No	19	0.0018	0.0003037	57.89	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	19	0.001953	0.0004005	78.95	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	21	0.002168	0.0008339	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.0025	0.006	No	11	0.002298	0.0006694	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.00042	0.006	No	21	0.00169	0.001062	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00316	0.002411	0.006	No	21	0.002786	0.0006792	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00034	0.006	No	11	0.002095	0.0009005	81.82	None	No	0.006	NP (NDs)

Confidence Intervals Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	APMW-4	0.003585	0.002968	0.006	No	21	0.003276	0.0005594	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.007737	0.003792	0.006	No	11	0.005765	0.002367	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	21	0.002269	0.0007288	90.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.00071	0.00027	0.006	No	11	0.0004218	0.0002588	0	None	No	0.006	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.0025	0.006	No	11	0.002292	0.0006905	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.0039	0.0022	0.006	No	21	0.003557	0.003445	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	21	0.001442	0.001137	52.38	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-8D	0.0025	0.0025	0.006	No	11	0.002383	0.0003889	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	21	0.00227	0.000726	90.48	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.379	2.692	5.849	No	21	3.035	0.6224	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.6904	0.2202	5.849	No	11	0.4553	0.2821	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.92**	**8.118**	**5.849**	**Yes**	**21**	**10.02**	**3.447**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.04**	**18.07**	**5.849**	**Yes**	**21**	**19.06**	**1.783**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.7559	0.0001274	5.849	No	11	0.3427	0.5338	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.785	5.668	5.849	No	21	6.159	1.1	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.095	0.4598	5.849	No	11	0.7775	0.3813	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.373	1.747	5.849	No	21	2.06	0.5671	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**8.998**	**7.335**	**5.849**	**Yes**	**11**	**8.166**	**0.998**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.479	3.662	5.849	No	21	4.07	0.7413	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.6666	0.0192	5.849	No	11	0.3429	0.3885	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.105	0.4313	5.849	No	11	0.7682	0.4042	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.327	2.765	5.849	No	21	2.976	0.7252	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.466**	**5.852**	**5.849**	**Yes**	**21**	**6.659**	**1.463**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-8	5.015	3.627	5.849	No	21	4.405	1.435	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.013	0.2809	5.849	No	11	0.6468	0.4392	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.111**	**7.114**	**5.849**	**Yes**	**21**	**7.612**	**0.9042**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7599	0.6122	4	No	22	0.6686	0.1744	4.545	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2221	0.1652	4	No	11	0.1936	0.03414	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.1603	0.114	4	No	21	0.1793	0.04161	47.62	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-2	0.2	0.07	4	No	21	0.1367	0.06376	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.203	0.1497	4	No	11	0.1764	0.03202	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.444	0.2421	4	No	22	0.3814	0.2043	27.27	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1693	0.1289	4	No	11	0.1491	0.02427	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.4998	0.376	4	No	22	0.42	0.1417	9.091	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2091	0.08059	4	No	11	0.1851	0.0718	45.45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.27	0.09	4	No	22	0.217	0.2719	45.45	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.1958	0.1146	4	No	11	0.1552	0.04872	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2057	0.1398	4	No	11	0.1727	0.03952	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.22	0.14	4	No	20	0.2075	0.04494	70	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.12	4	No	22	0.2736	0.3774	18.18	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	0.973	0.7536	4	No	21	0.8633	0.1988	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-8D	0.1642	0.08966	4	No	11	0.1269	0.0447	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.07	4	No	22	0.1667	0.1593	31.82	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	21	0.0009071	0.0002599	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0008787	0.0004565	0.015	No	11	0.0008064	0.000274	36.36	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-1R	0.0012	0.001	0.015	No	21	0.00101	0.00004364	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	21	0.0009629	0.0001702	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.0002	0.015	No	11	0.0006914	0.0003709	54.55	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	21	0.0009481	0.0001641	90.48	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	21	0.0009819	0.00008292	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.001	0.015	No	11	0.0009355	0.0002141	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	21	0.0009462	0.000188	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.001	0.00019	0.015	No	11	0.0007464	0.0005716	36.36	None	No	0.006	NP (normality)
Lead (mg/L)	APMW-6R	0.001	0.00035	0.015	No	21	0.0009367	0.0002001	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	21	0.001043	0.0001964	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	21	0.001031	0.0001569	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	21	0.0009295	0.0002264	90.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01627	0.009562	0.04	No	21	0.01339	0.006972	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.0166	0.008178	0.04	No	11	0.01239	0.005055	9.091	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01713	0.01139	0.04	No	21	0.01426	0.005205	4.762	None	No	0.01	Param.
Lithium (mg/L)	APMW-2	0.03231	0.02579	0.04	No	21	0.02905	0.005912	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01076	0.008382	0.04	No	11	0.009573	0.001429	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08342**	**0.07072**	**0.04**	**Yes**	**21**	**0.07707**	**0.01151**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01693	0.009176	0.04	No	11	0.01305	0.004653	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05918**	**0.04711**	**0.04**	**Yes**	**21**	**0.05314**	**0.01094**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08172**	**0.05086**	**0.04**	**Yes**	**11**	**0.06629**	**0.01852**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.05096	0.03995	0.04	No	21	0.04581	0.01036	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-5D	0.008681	0.006393	0.04	No	11	0.007537	0.001373	0	None	No	0.01	Param.

Confidence Intervals Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	APMW-6D	0.0121	0.0063	0.04	No	11	0.00946	0.004645	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05753**	**0.05338**	**0.04**	**Yes**	**21**	**0.05545**	**0.003761**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.005783	0.002932	0.04	No	21	0.00519	0.004871	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.09275**	**0.07057**	**0.04**	**Yes**	**21**	**0.0835**	**0.02374**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-8D	0.00759	0.002838	0.04	No	11	0.005727	0.003202	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-9	0.005267	0.003131	0.04	No	21	0.0051	0.003314	19.05	Kaplan-Meier	ln(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	19	0.0001939	0.00002638	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	19	0.0001974	0.00001147	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	19	0.0001944	0.00002455	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	19	0.0001942	0.00002524	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	19	0.0001935	0.00002822	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	19	0.0002079	0.00003441	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.1	0.033	0.1	No	21	0.06886	0.03424	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.009895	0.003087	0.1	No	11	0.00664	0.004517	9.091	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	21	0.01432	0.003101	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.0038	0.0011	0.1	No	11	0.001879	0.001466	0	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06871	0.05915	0.1	No	21	0.06393	0.008661	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.00072	0.1	No	11	0.004839	0.006539	27.27	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-4	0.00871	0.005471	0.1	No	21	0.00709	0.002936	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.289**	**0.1631**	**0.1**	**Yes**	**11**	**0.2261**	**0.07554**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1359	0.07628	0.1	No	21	0.1061	0.05404	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0014	0.0008	0.1	No	11	0.00164	0.001954	9.091	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003306	0.001057	0.1	No	11	0.002272	0.001858	9.091	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.37**	**0.1**	**Yes**	**21**	**0.4714**	**0.2083**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	21	0.01152	0.005237	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1518	0.09116	0.1	No	21	0.1215	0.05495	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00086	0.1	No	11	0.004806	0.006549	27.27	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.0011	0.1	No	21	0.013	0.005028	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	21	0.004348	0.001638	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	21	0.004367	0.001591	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0014	0.05	No	21	0.003351	0.001819	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.005	0.05	No	11	0.004655	0.001146	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	21	0.004361	0.001604	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	21	0.004215	0.001669	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-6R	0.005	0.0016	0.05	No	21	0.004671	0.001038	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.0019	0.05	No	21	0.004196	0.001724	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.0017	0.05	No	21	0.003999	0.00185	76.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0019	0.05	No	21	0.004028	0.001806	76.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	21	0.0009243	0.0002099	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.001	0.002	No	11	0.0009609	0.0001296	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	21	0.0009614	0.0001768	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	21	0.0009924	0.00003491	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	21	0.0009581	0.000192	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	21	0.000939	0.0002513	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	21	0.0009924	0.0002164	90.48	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 7/9/2025, 4:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01632**	**-171**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002215**	**41**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02917**	**141**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01283**	**-172**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1616**	**132**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.653**	**157**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.2828**	**122**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003101**	**-138**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004964**	**-143**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.02858**	**-43**	**-27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05552**	**114**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

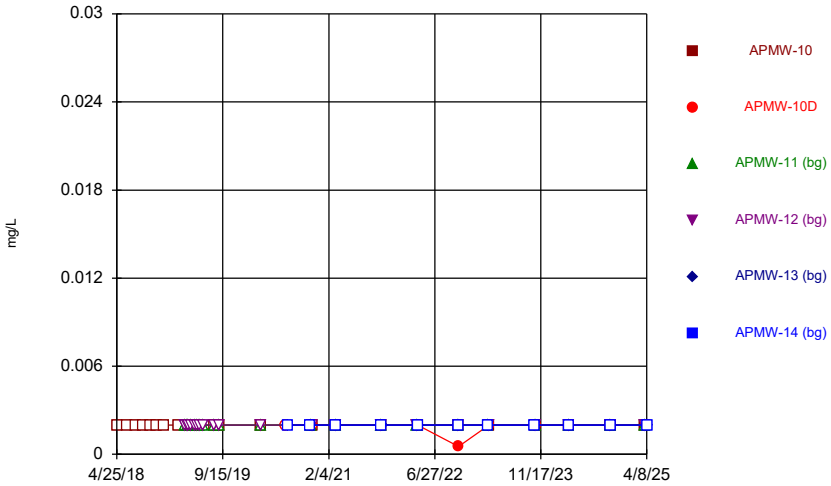
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 1:19 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01632**	**-171**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	33	66	No	21	85.71	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	0	-1	-66	No	21	28.57	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	1	27	No	11	81.82	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-7	-27	No	11	45.45	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	27	No	11	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0.00005028	6	27	No	11	9.091	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.001752	-33	-66	No	21	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.001904	-46	-66	No	21	0	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002215**	**41**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02917**	**141**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01283**	**-172**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003349	-11	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.004078	-12	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00216	-21	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0	1	27	No	11	0	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1616**	**132**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.009533	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01717	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.07045	7	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	21	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1566	-16	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.03196	-7	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.653**	**157**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	-0.116	-15	-66	No	21	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	-0.1286	-3	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-7	0.1631	42	66	No	21	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.2828**	**122**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0003259	37	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0005415	11	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0.0003918	11	27	No	11	45.45	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.001267	20	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	0.0006606	5	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-3	-0.001697	-56	-66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-4**	**-0.003101**	**-138**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.002781	6	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.000333	21	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004964**	**-143**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.02858**	**-43**	**-27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05552**	**114**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

FIGURE A.

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

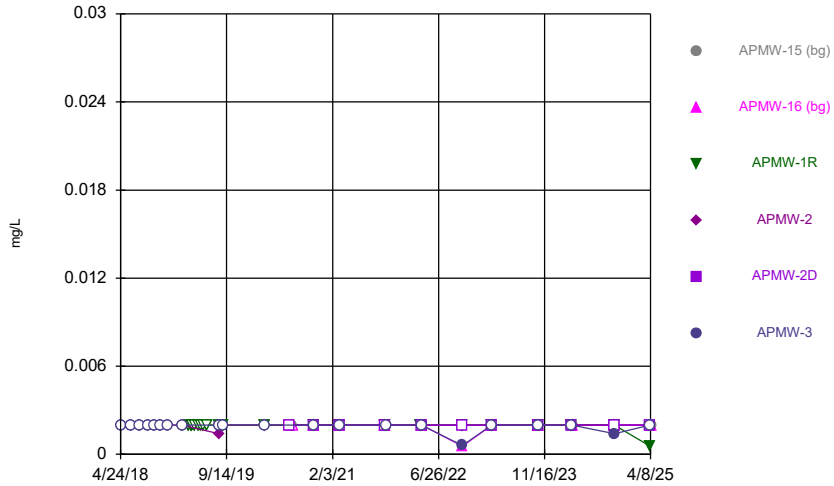
Time Series



Constituent: Antimony Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

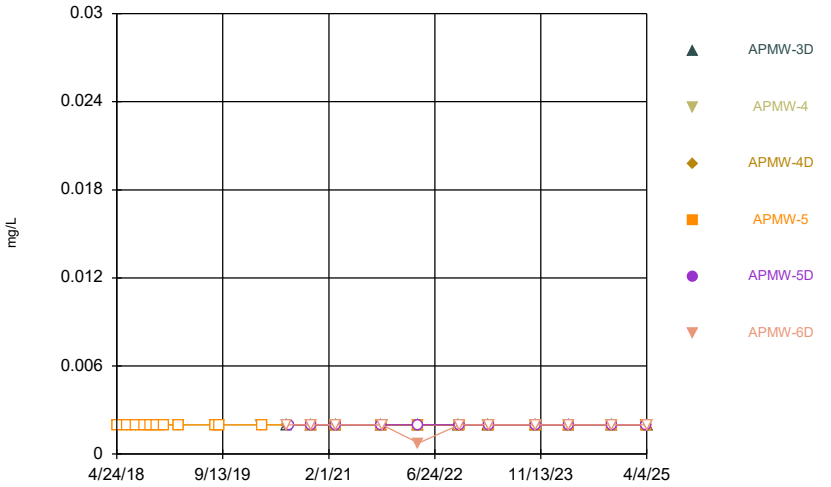
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Constituent: Antimony Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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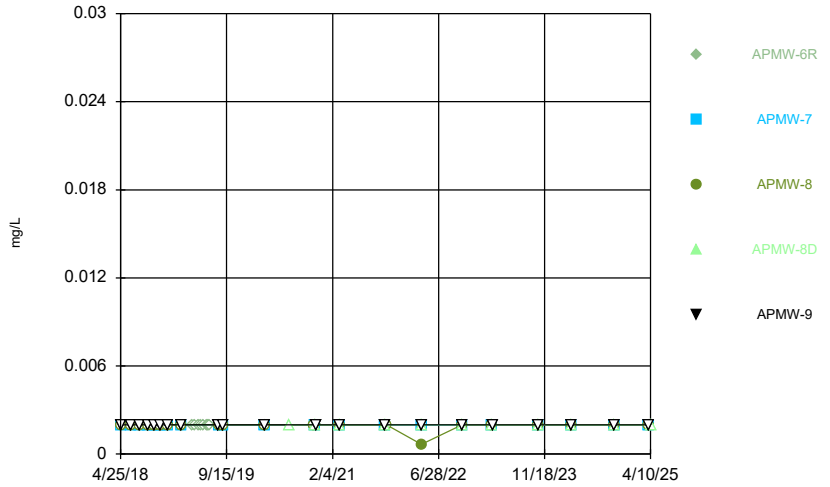
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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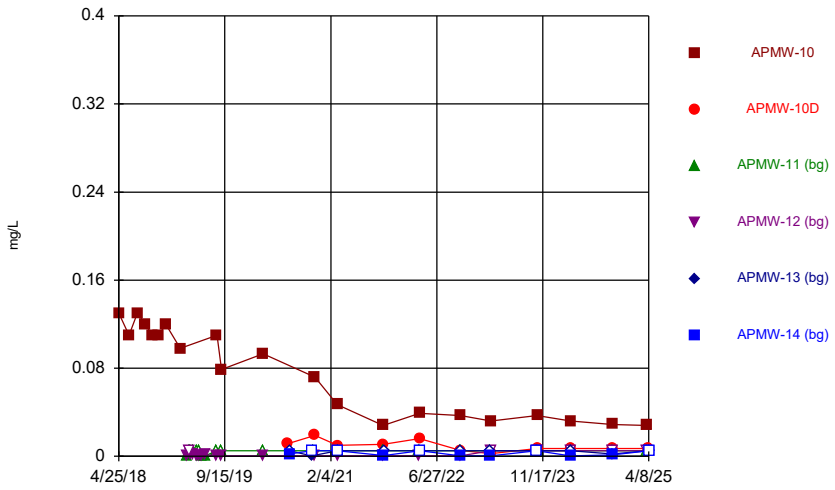
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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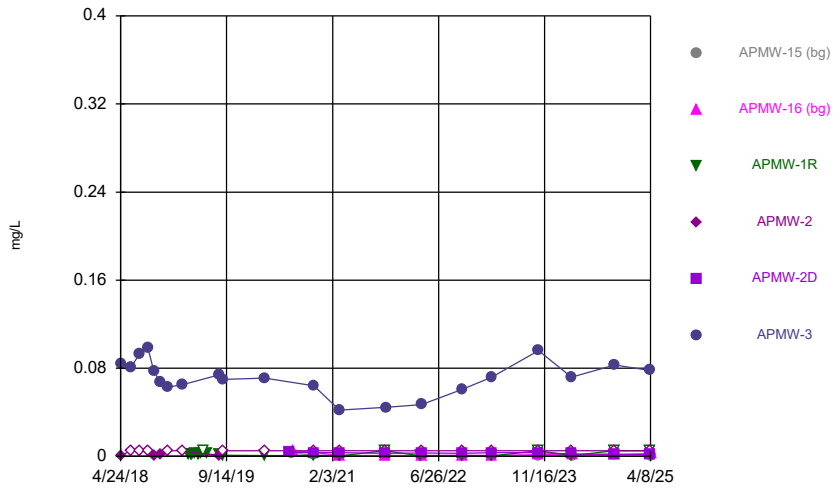
Time Series



Constituent: Arsenic Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

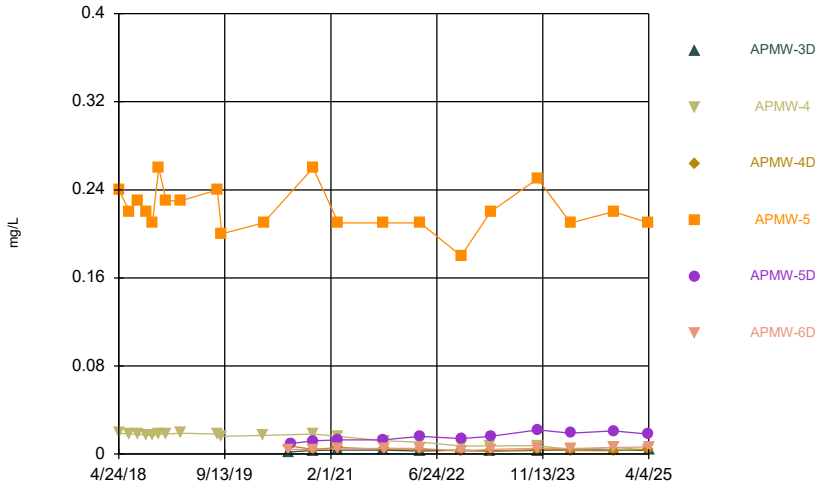
Time Series



Constituent: Arsenic Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

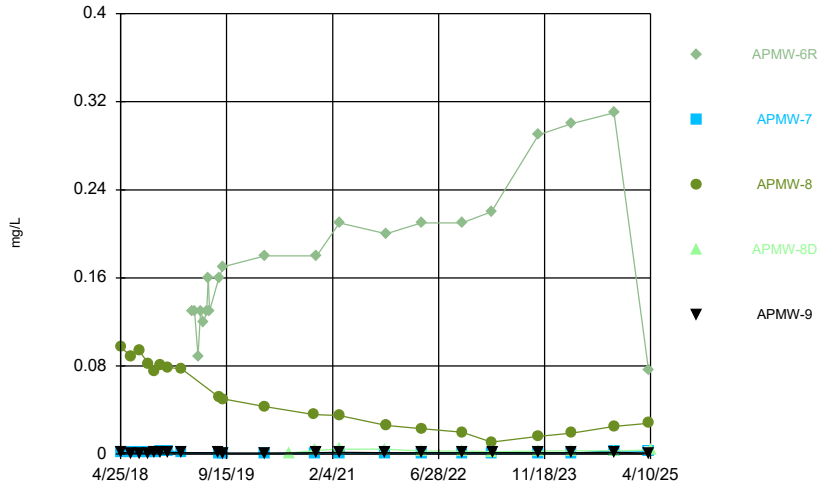
Time Series



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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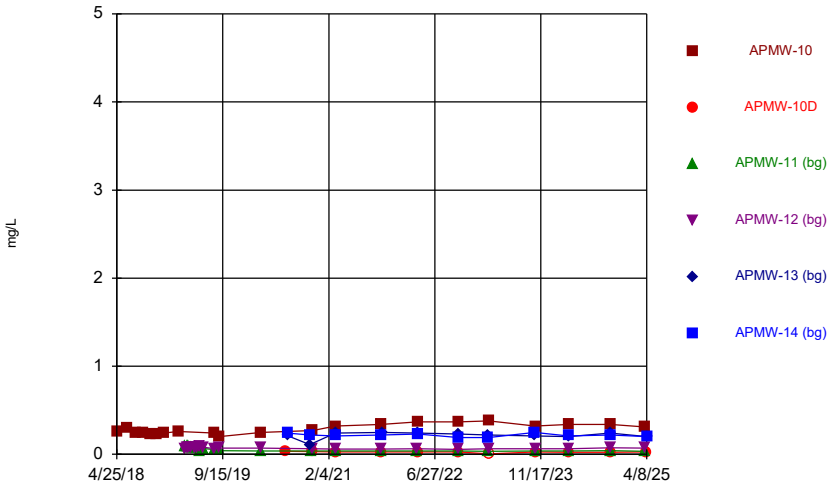
Time Series



Constituent: Arsenic Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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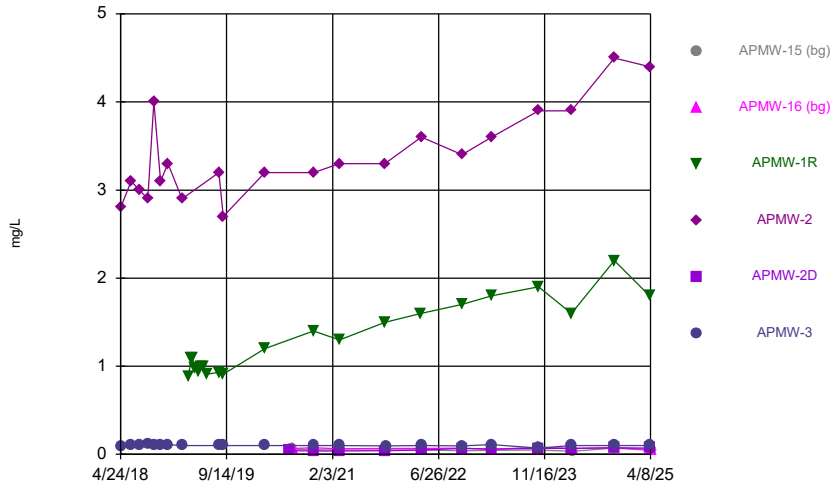
Time Series



Constituent: Barium Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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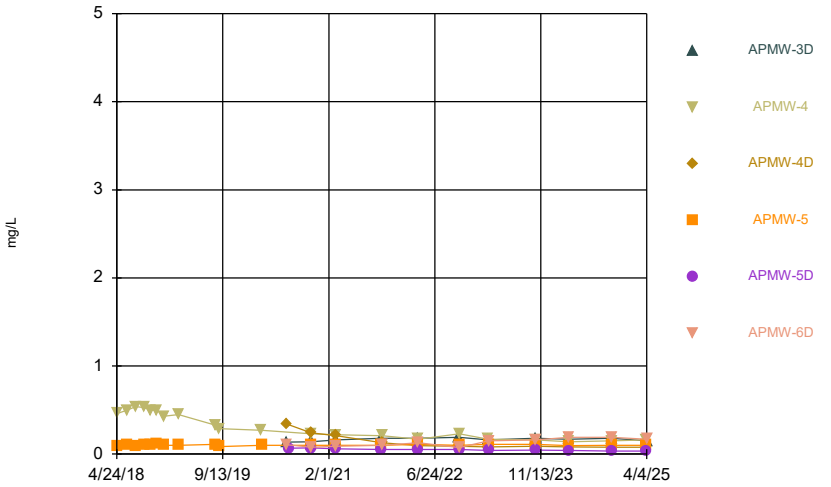
Time Series



Constituent: Barium Analysis Run 6/13/2025 8:28 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

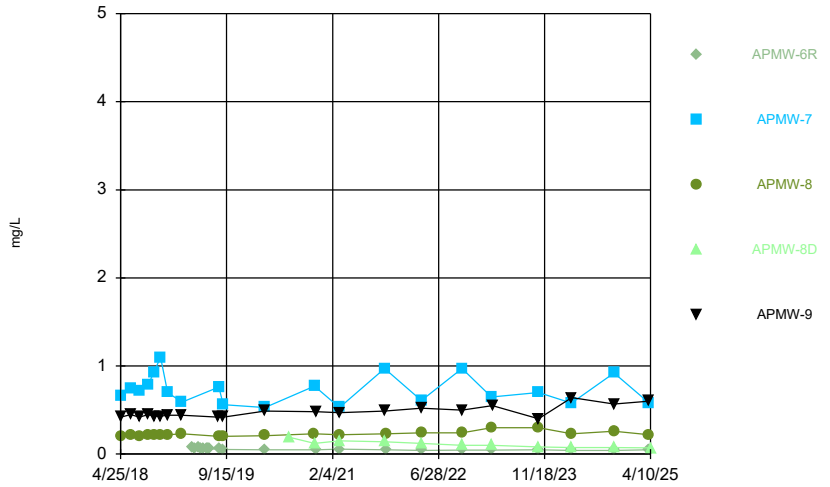
Time Series



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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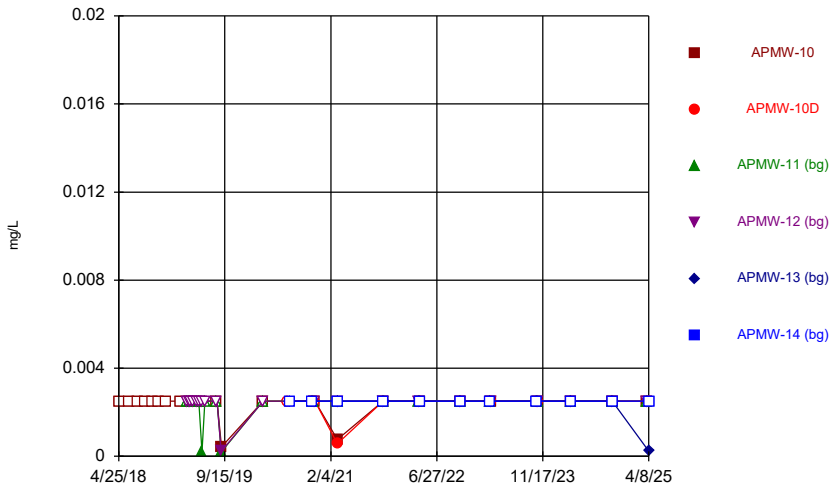
Time Series



Constituent: Barium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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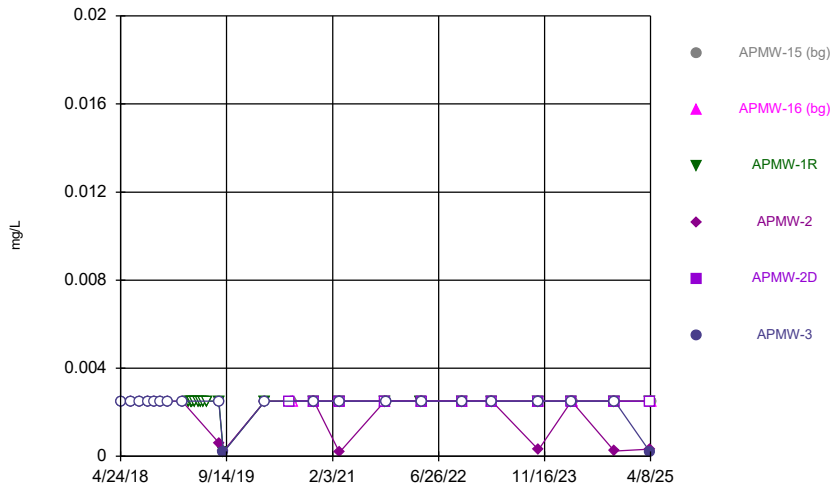
Time Series



Constituent: Beryllium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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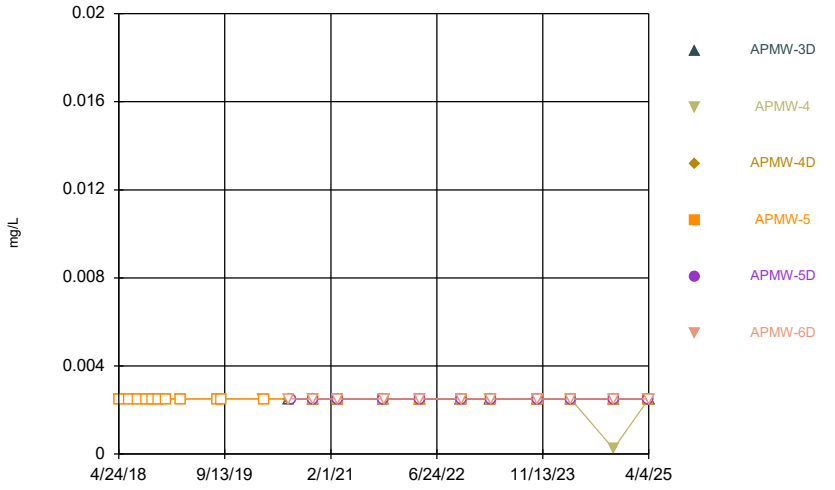
Time Series



Constituent: Beryllium Analysis Run 6/13/2025 8:29 PM
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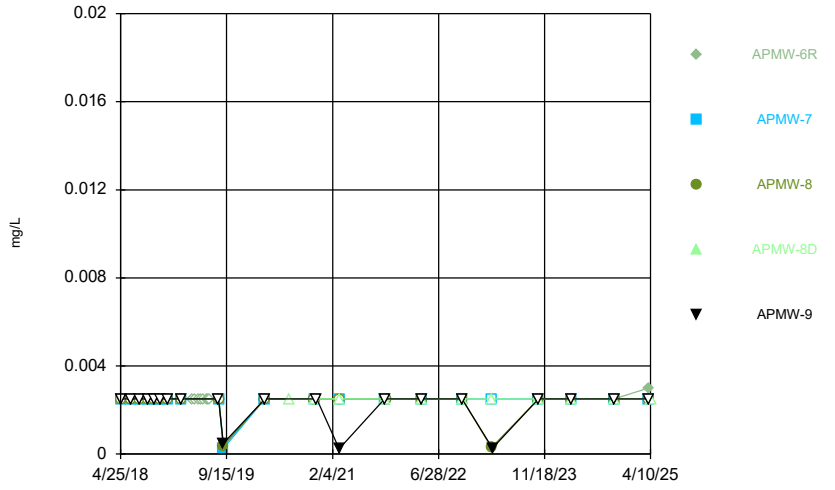
Time Series



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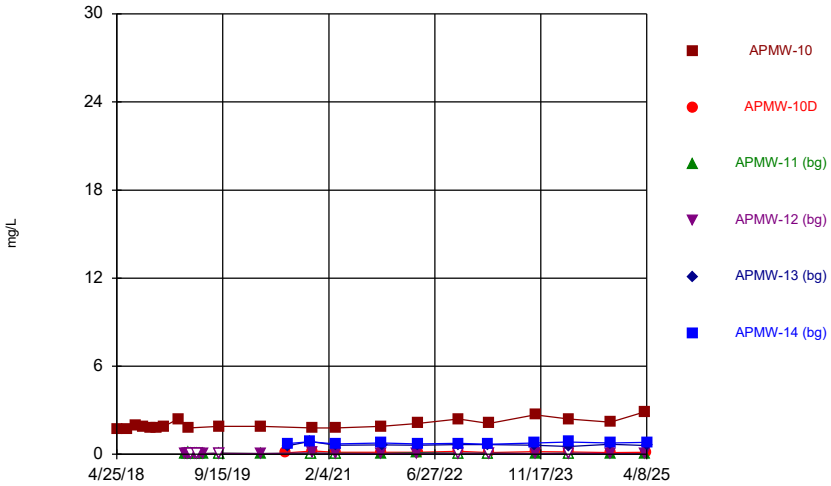
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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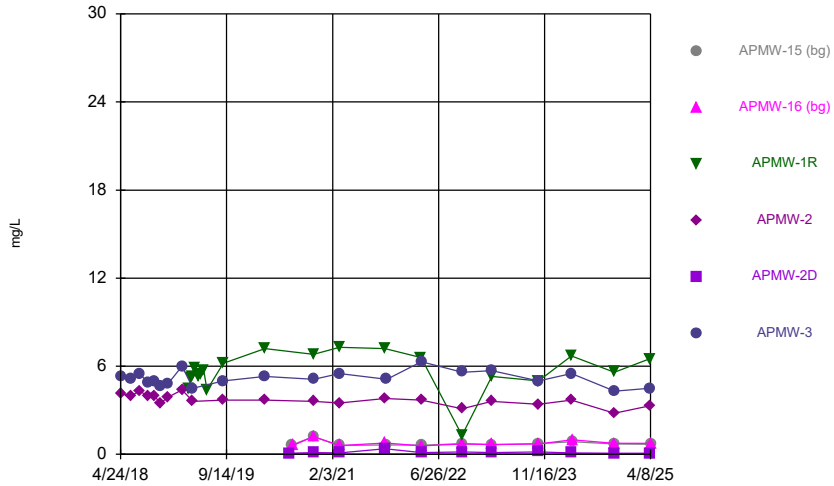
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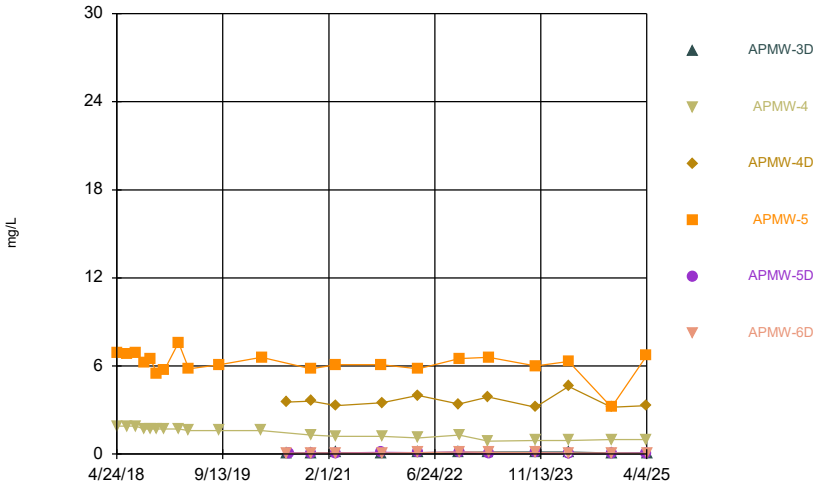
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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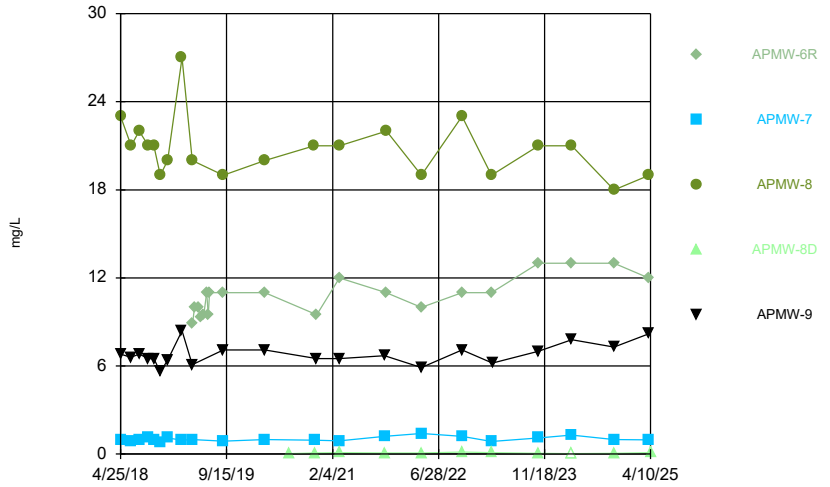
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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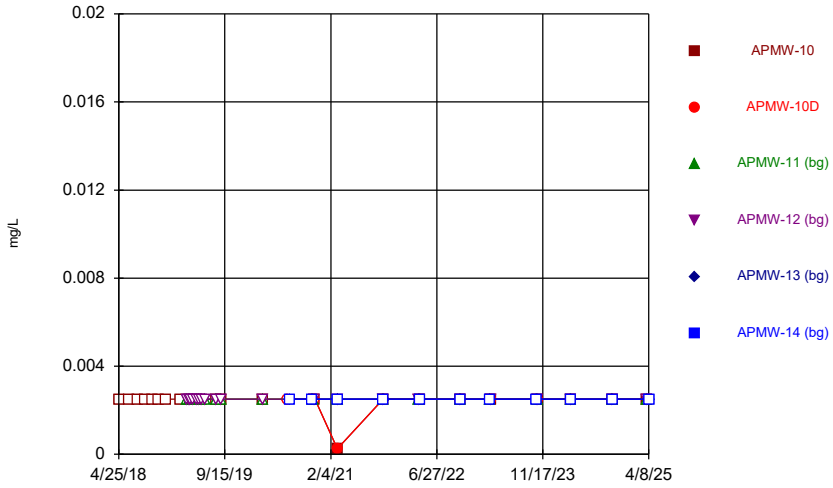
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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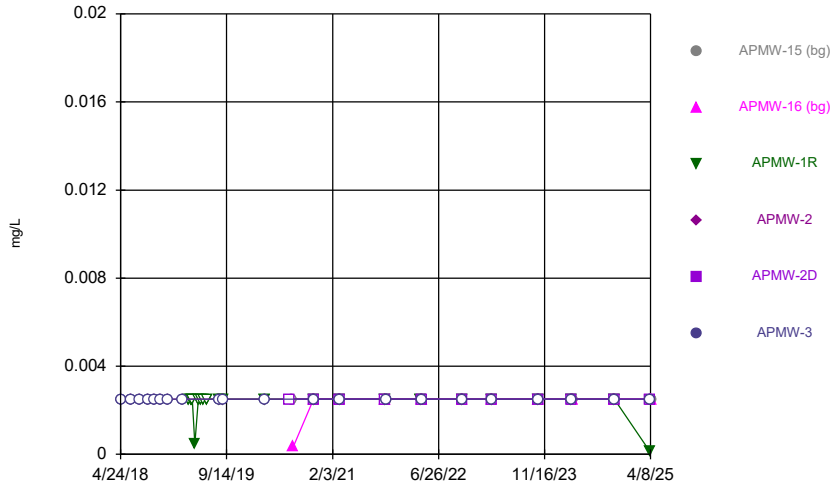
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Constituent: Cadmium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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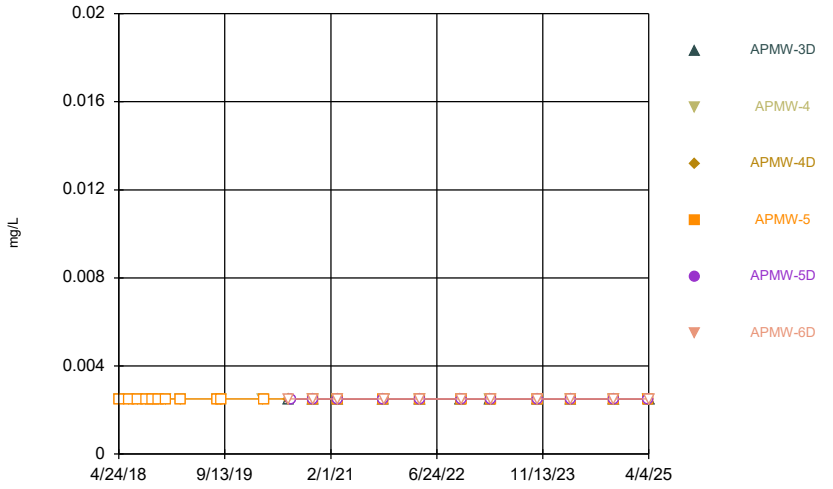
Time Series



Constituent: Cadmium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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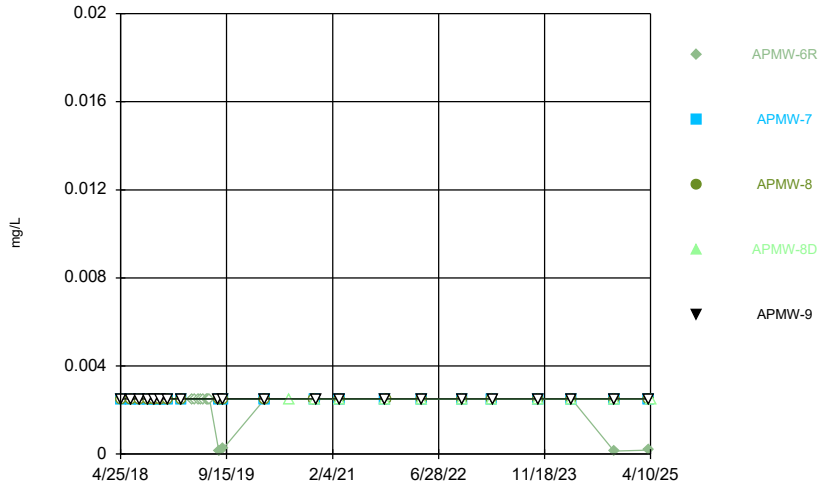
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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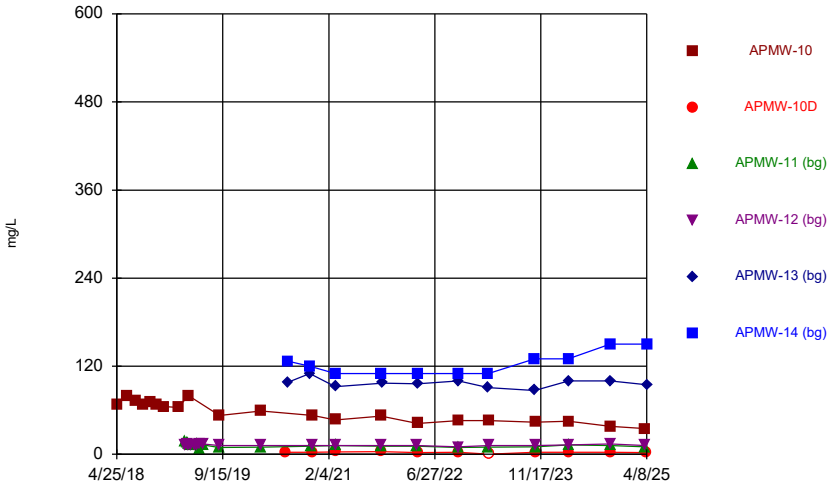
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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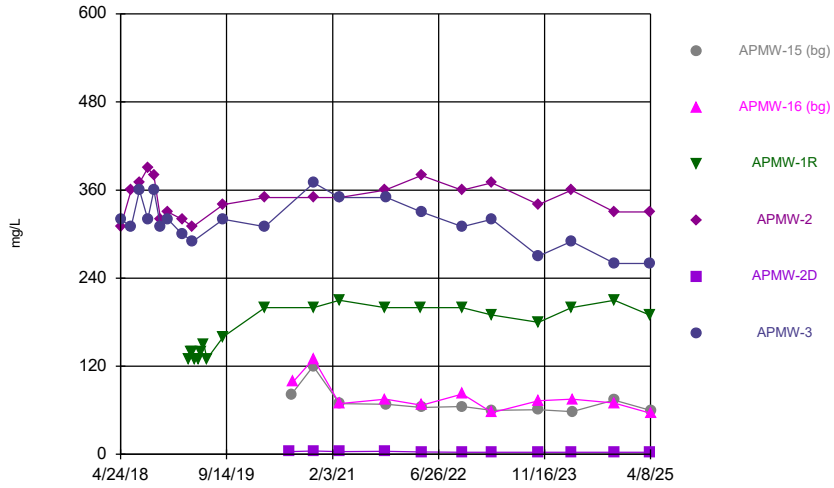
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Constituent: Calcium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

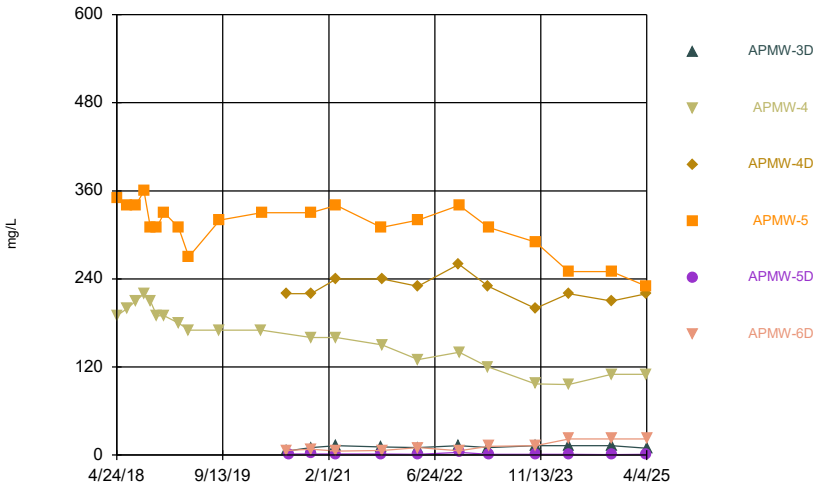
Time Series



Constituent: Calcium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

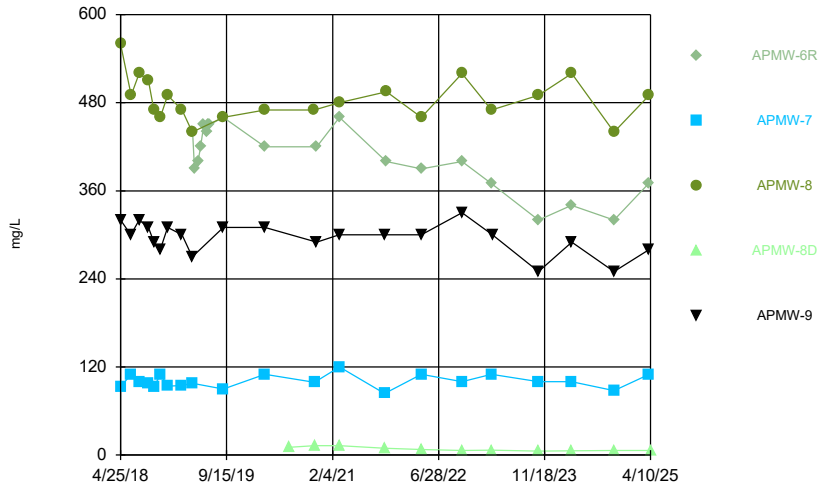
Time Series



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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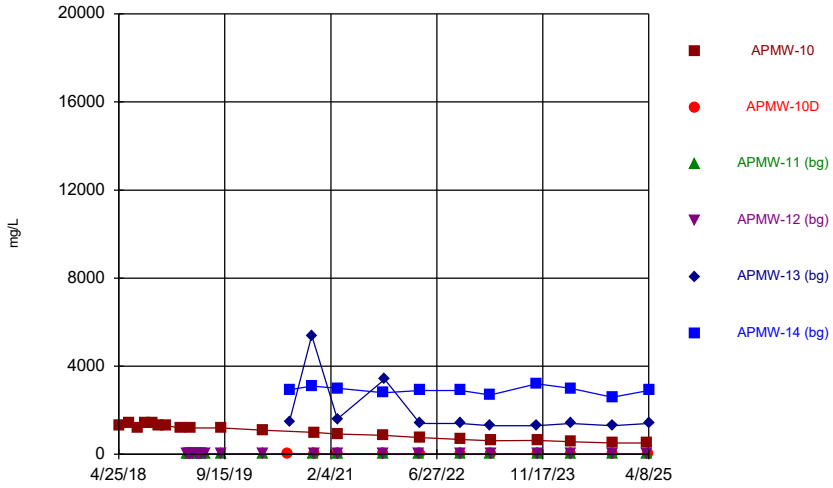
Time Series



Constituent: Calcium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

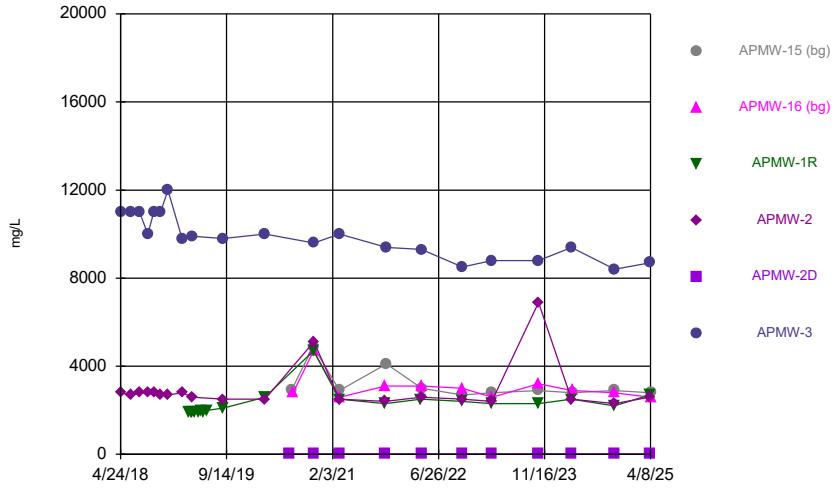


Constituent: Chloride Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



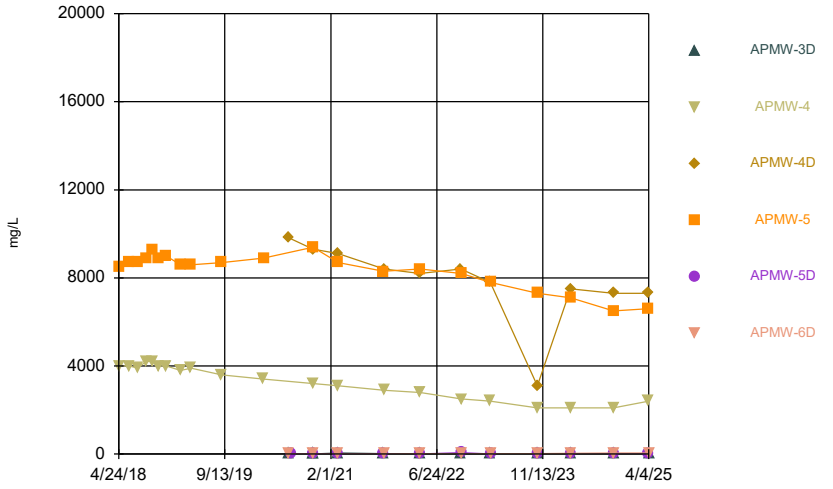
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Time Series

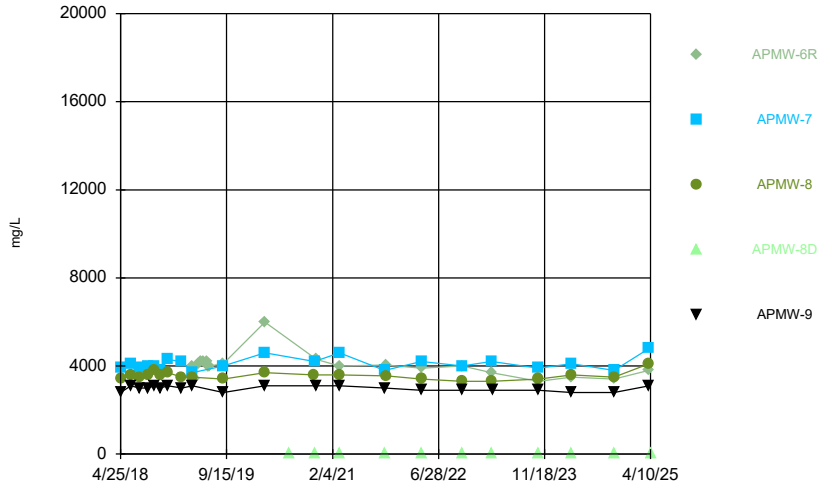


Constituent: Chloride Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

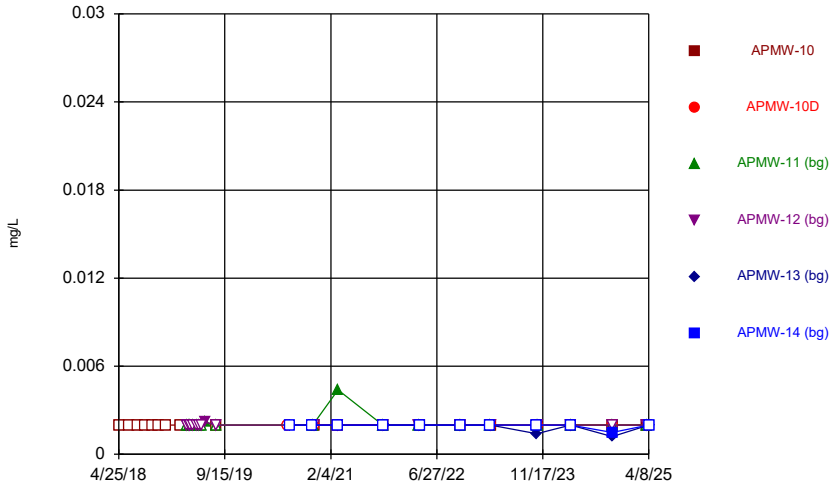


Constituent: Chloride Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

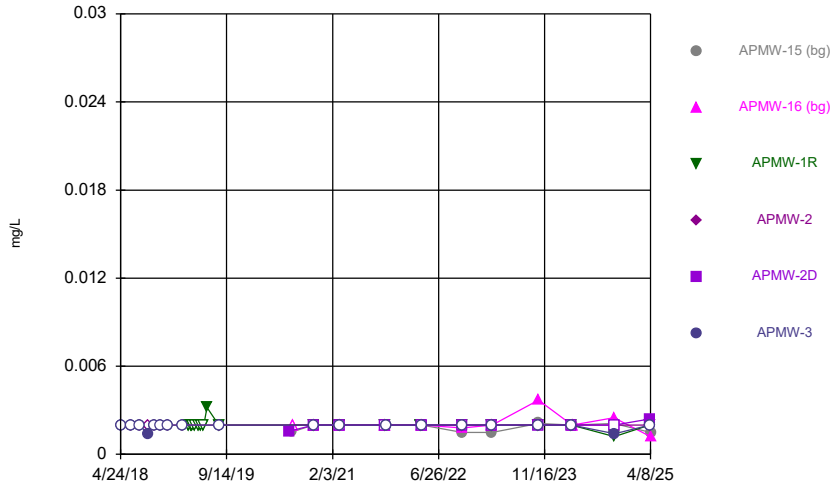
Time Series



Constituent: Chromium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

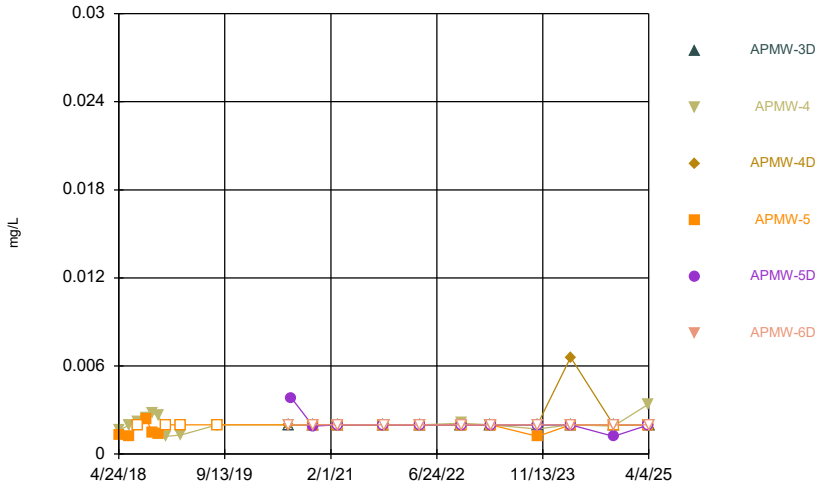
Time Series



Constituent: Chromium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

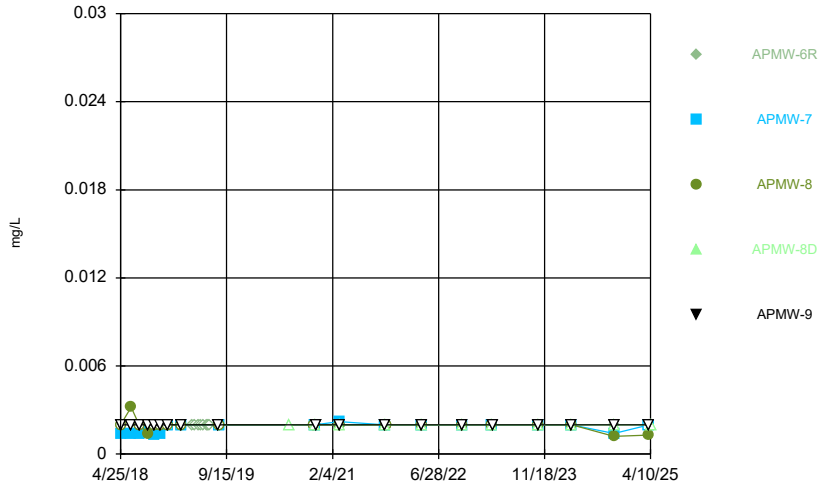
Time Series



Constituent: Chromium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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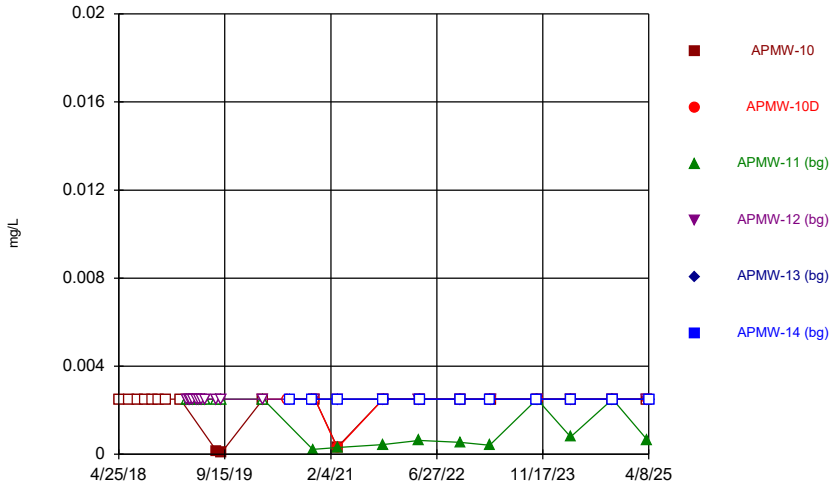
Time Series



Constituent: Chromium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

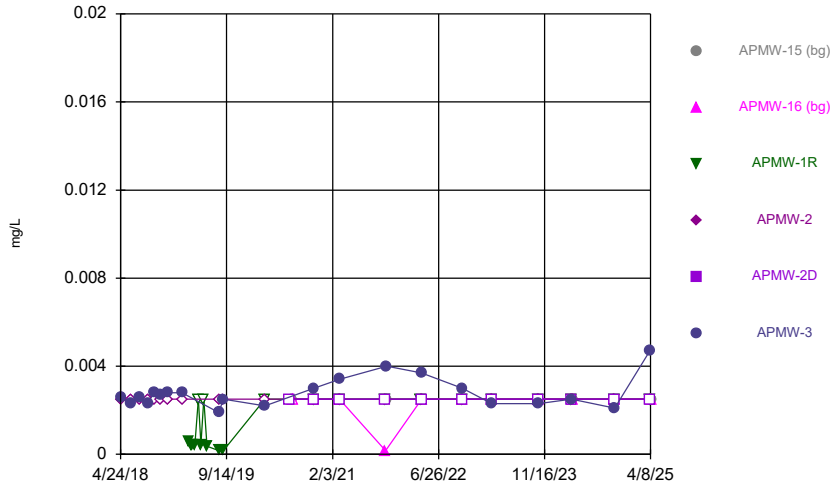
Time Series



Constituent: Cobalt Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

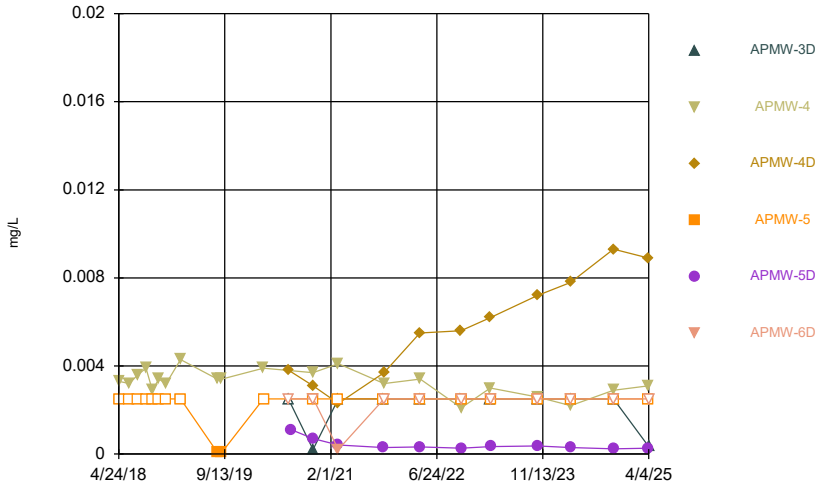
Time Series



Constituent: Cobalt Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

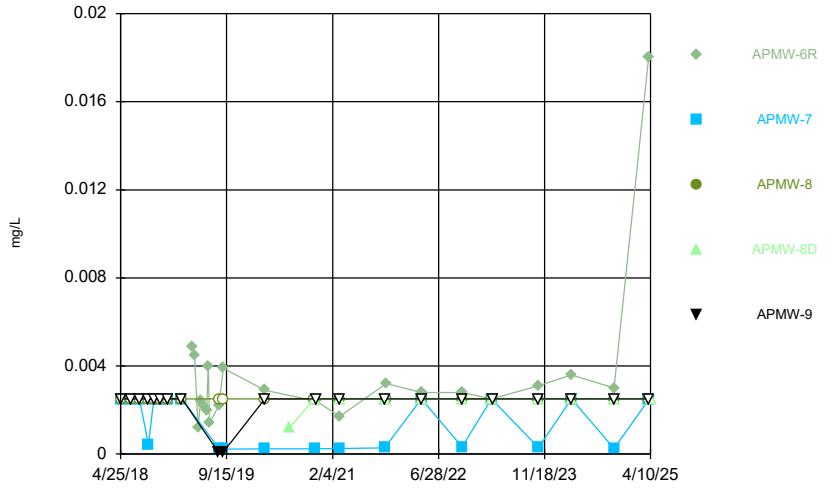
Time Series



Constituent: Cobalt Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

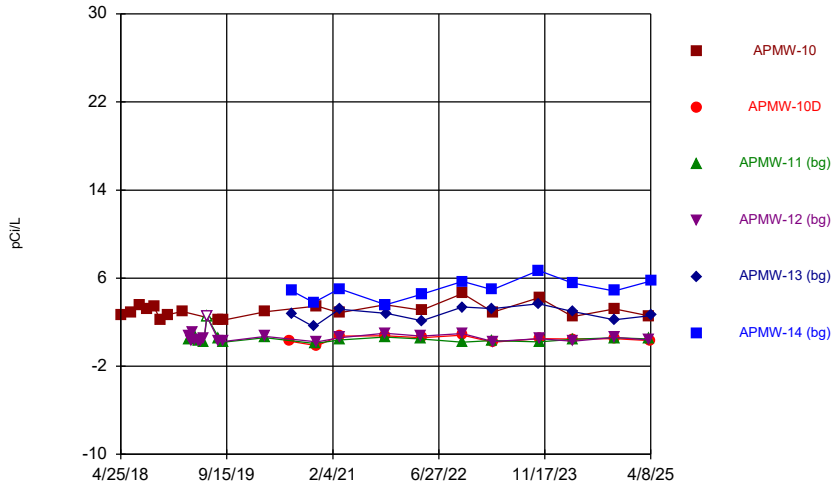
Time Series



Constituent: Cobalt Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

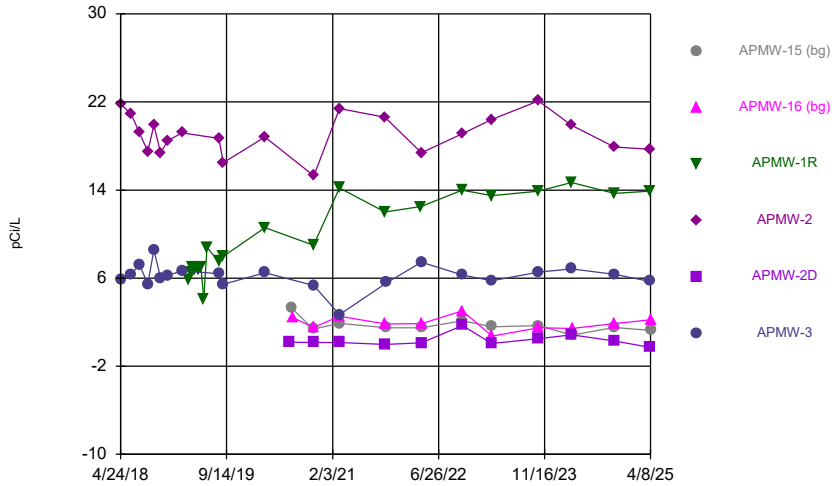
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

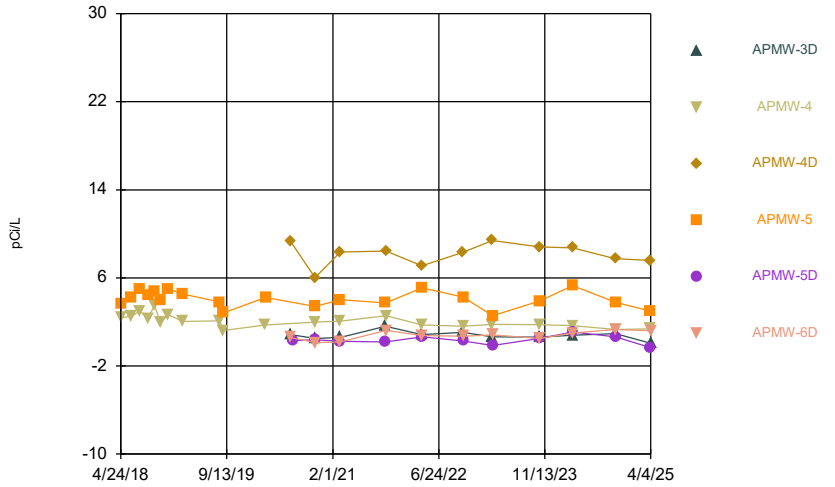
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

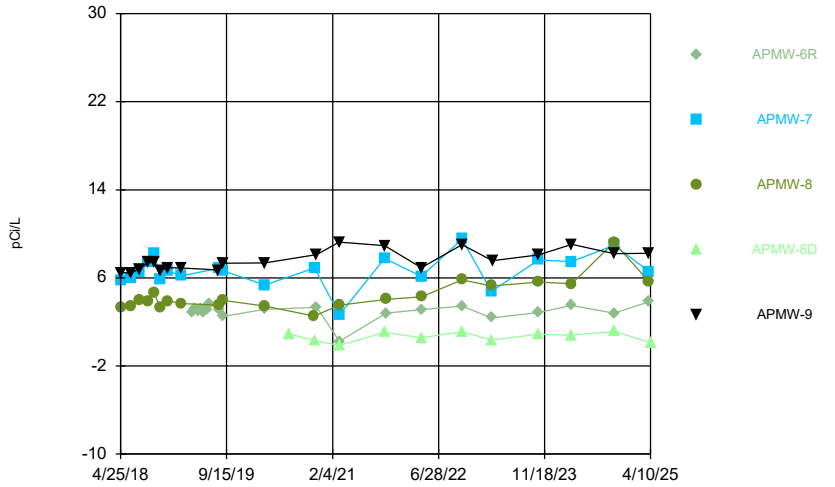
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

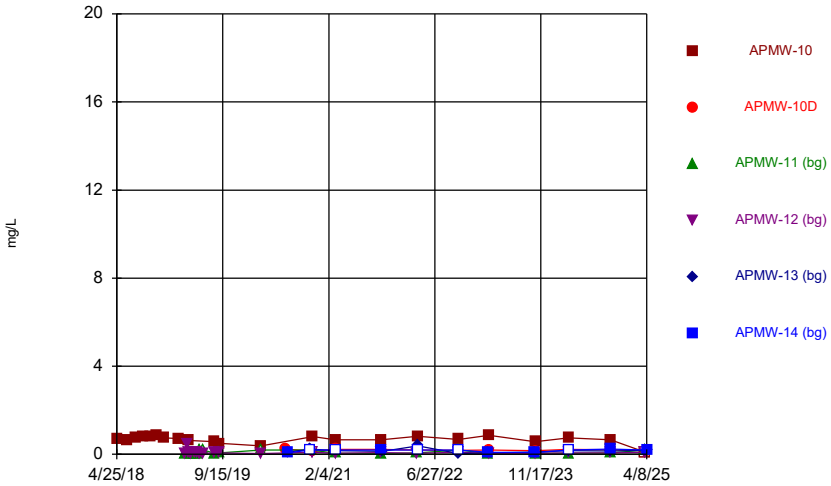
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

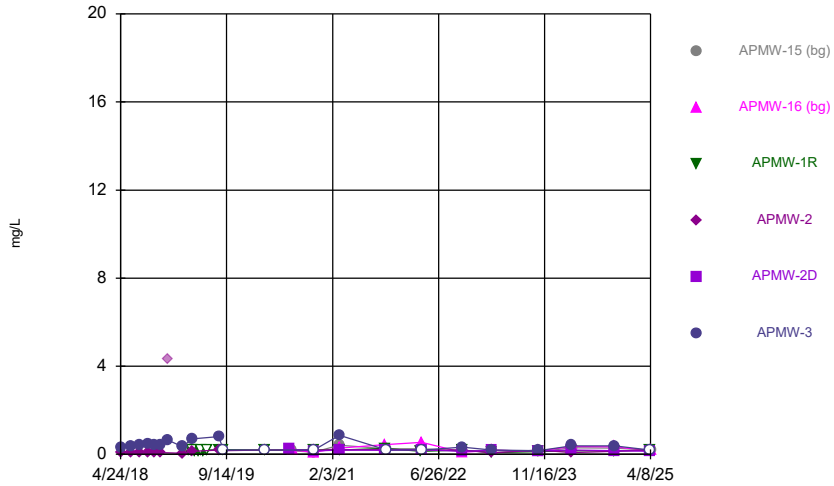
Time Series



Constituent: Fluoride Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

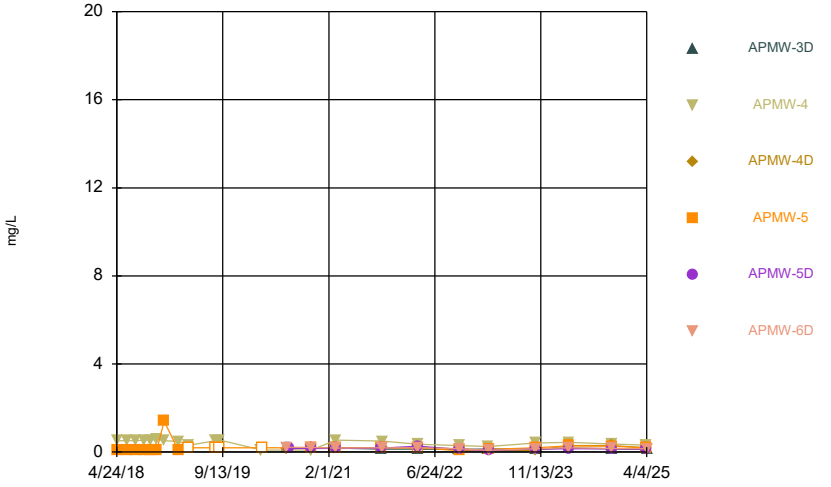
Time Series



Constituent: Fluoride Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

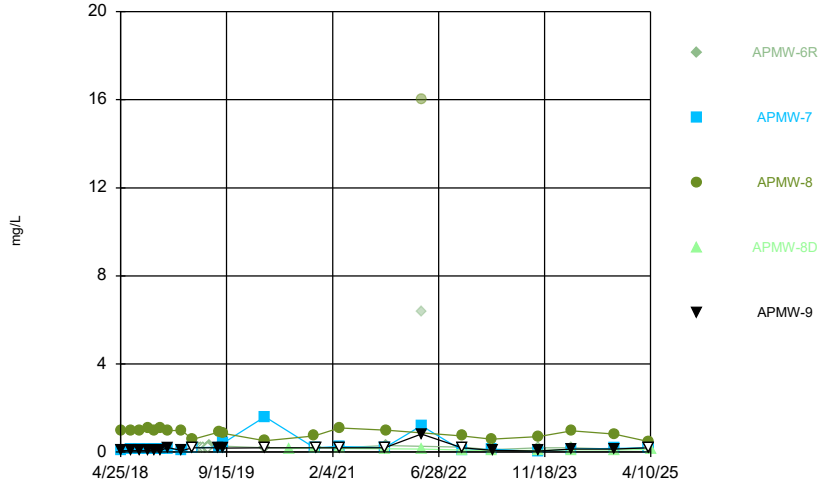
Time Series



Constituent: Fluoride Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

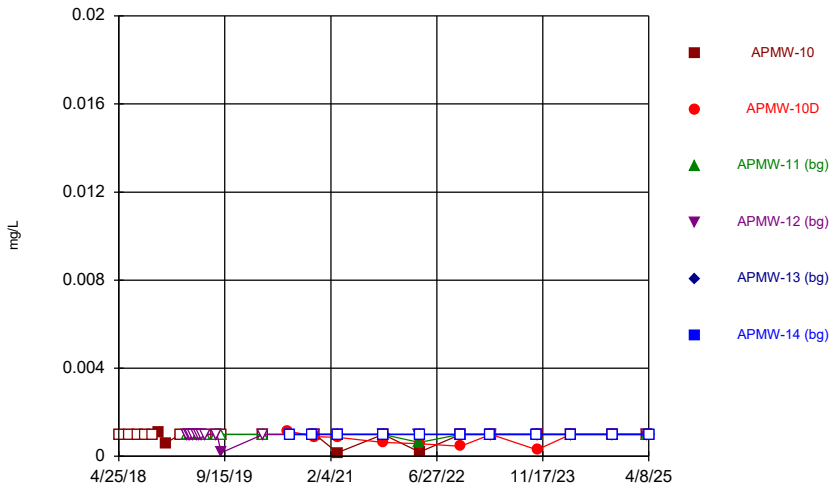
Time Series



Constituent: Fluoride Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

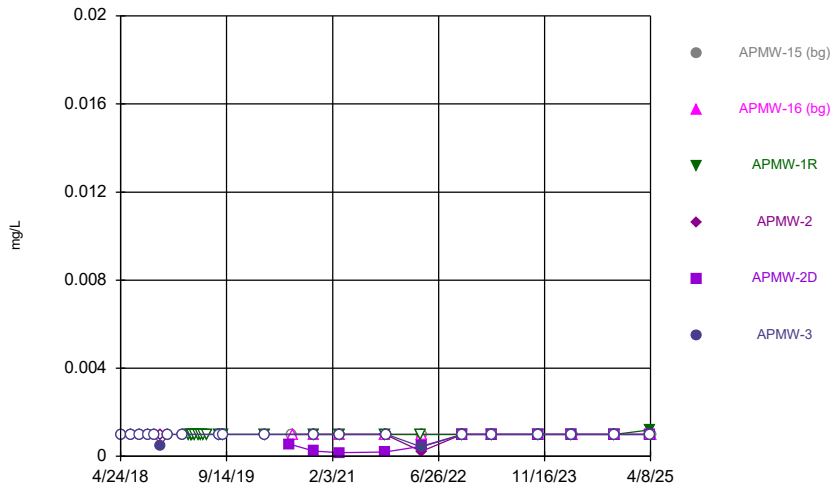
Time Series



Constituent: Lead Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

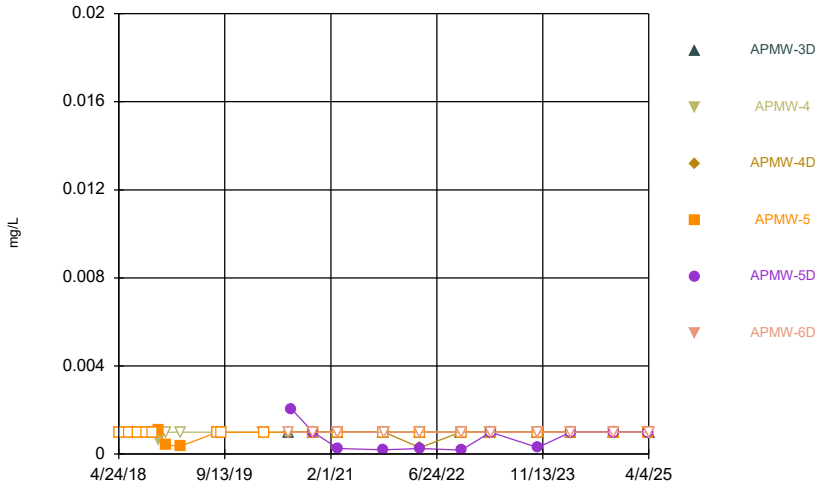
Time Series



Constituent: Lead Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

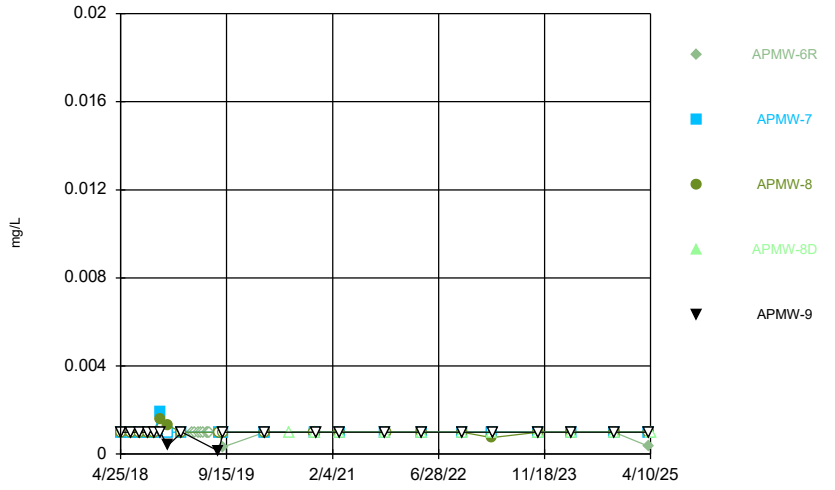
Time Series



Constituent: Lead Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
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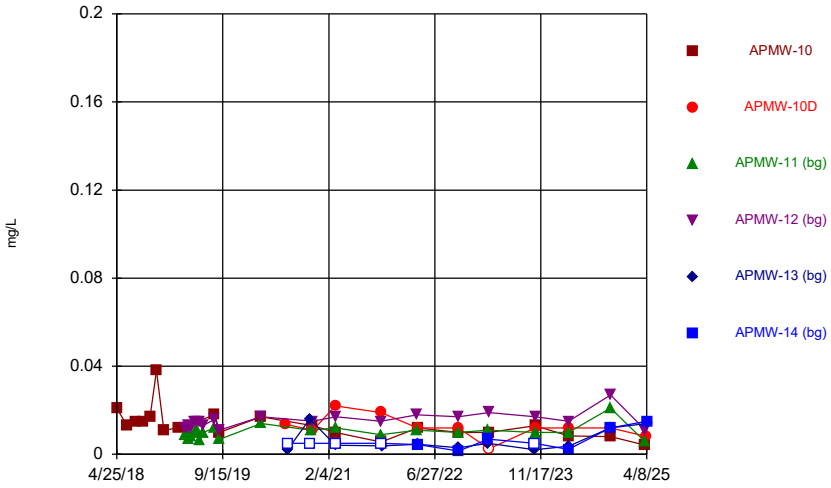
Time Series



Constituent: Lead Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
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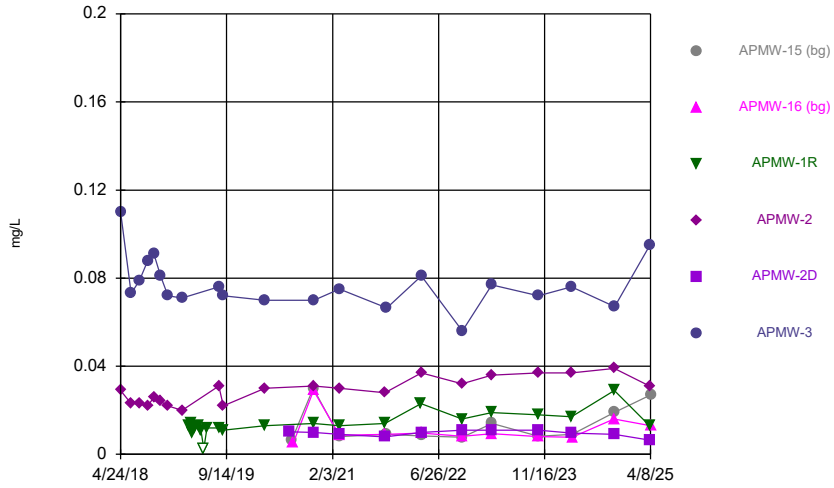
Time Series



Constituent: Lithium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
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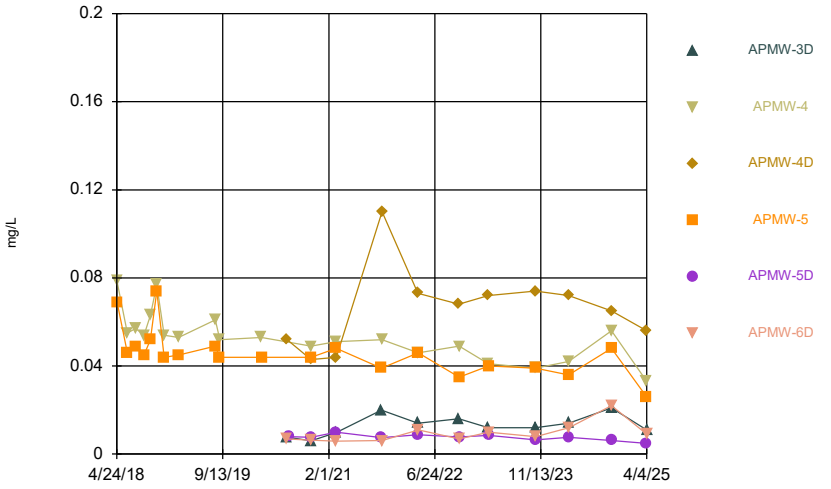
Time Series



Constituent: Lithium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

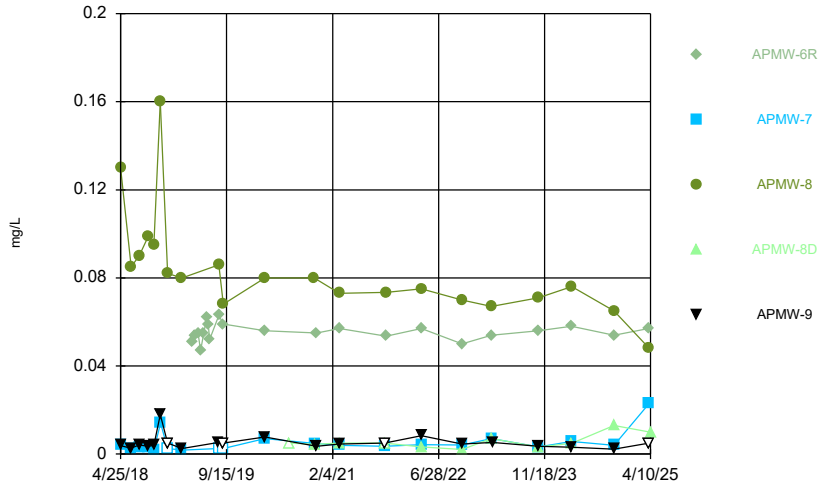
Time Series



Constituent: Lithium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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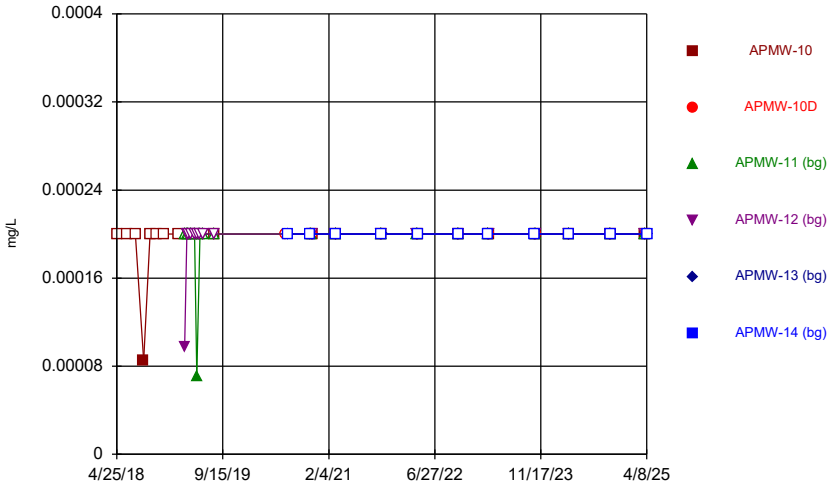
Time Series



Constituent: Lithium Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

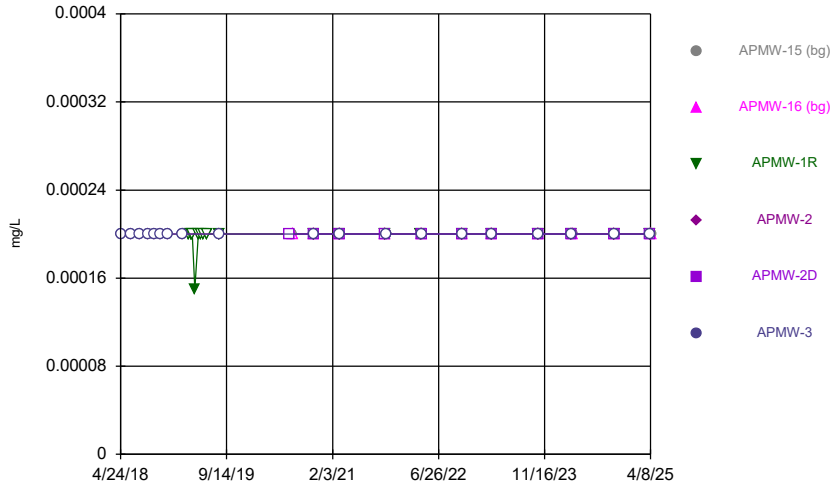
Time Series



Constituent: Mercury Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

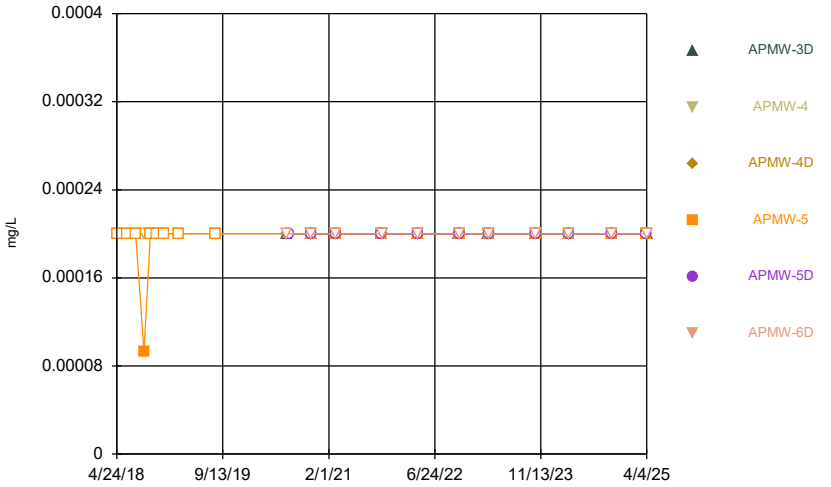
Time Series



Constituent: Mercury Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

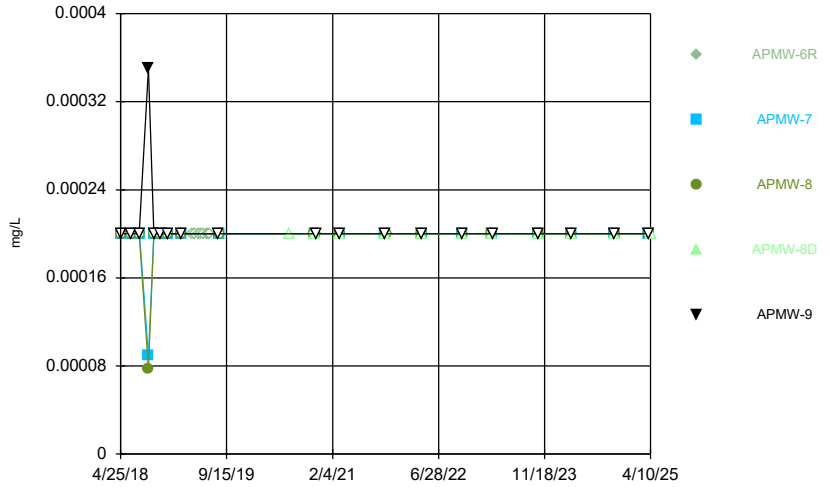
Time Series



Constituent: Mercury Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

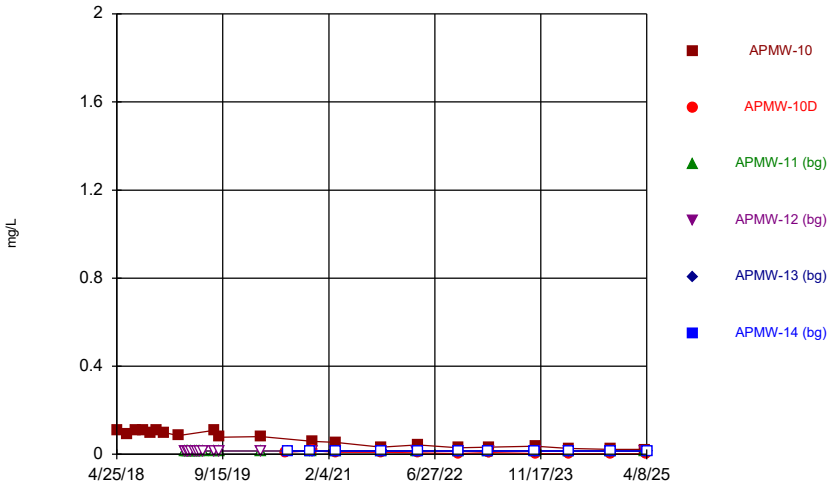
Time Series



Constituent: Mercury Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

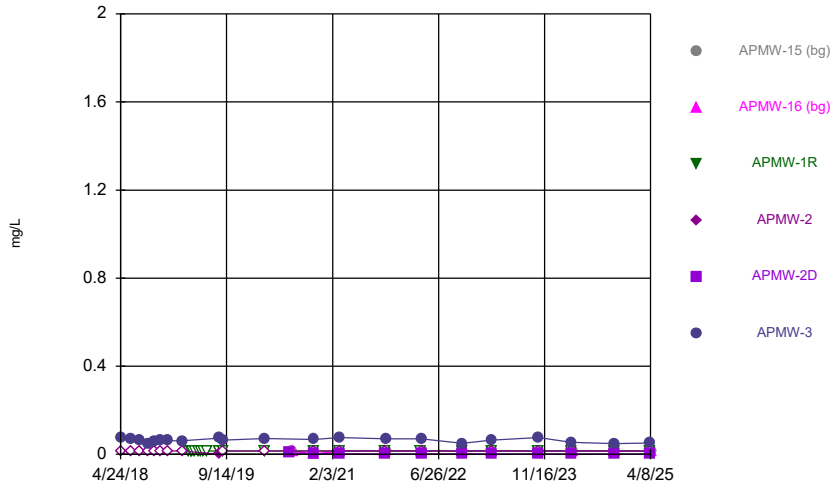
Time Series



Constituent: Molybdenum Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

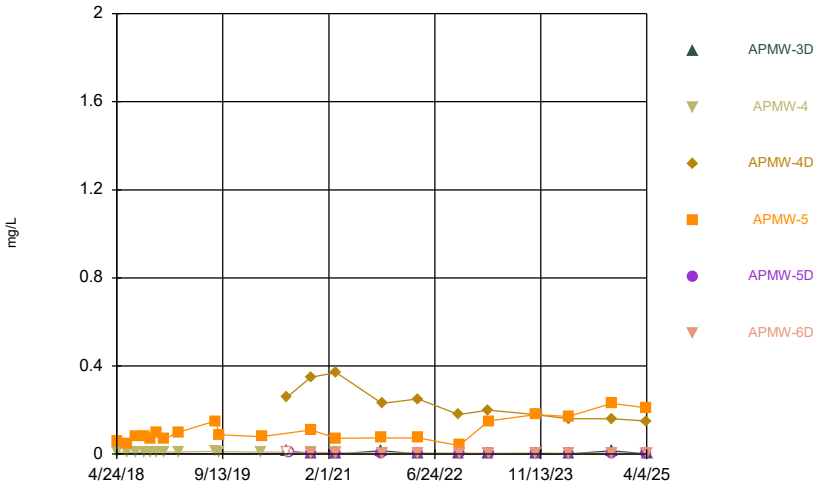
Time Series



Constituent: Molybdenum Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

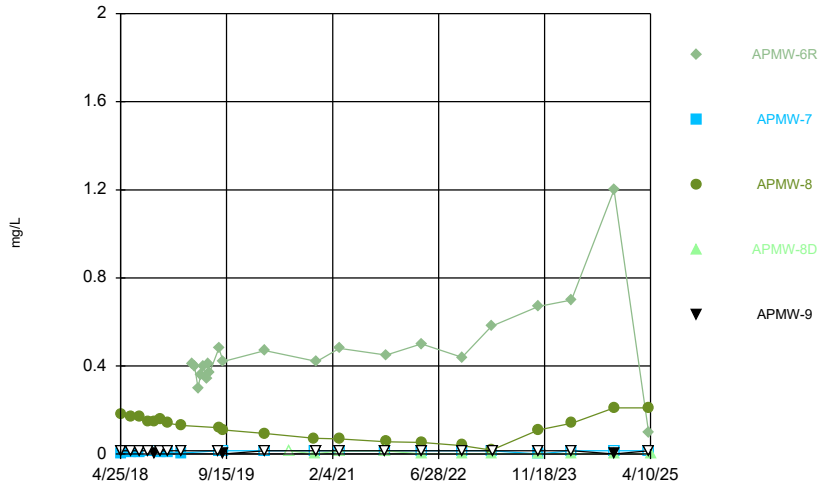
Time Series



Constituent: Molybdenum Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

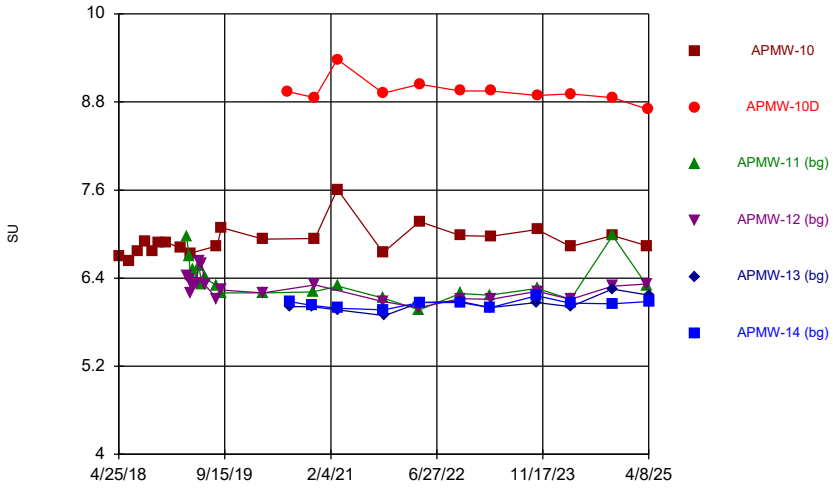
Time Series



Constituent: Molybdenum Analysis Run 6/13/2025 8:29 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

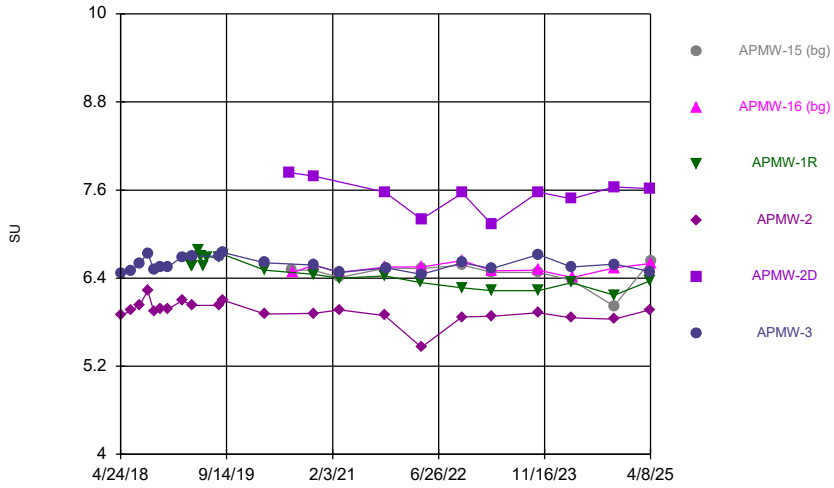


Constituent: pH Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

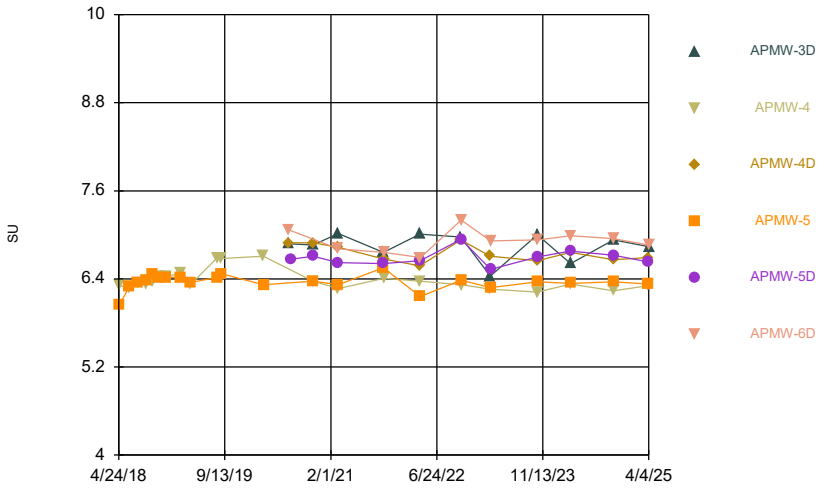


Constituent: pH Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

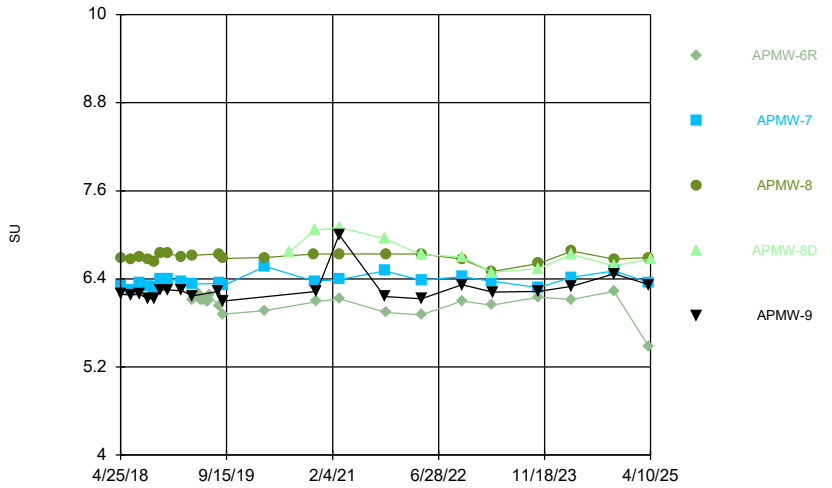


Constituent: pH Analysis Run 6/13/2025 8:29 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

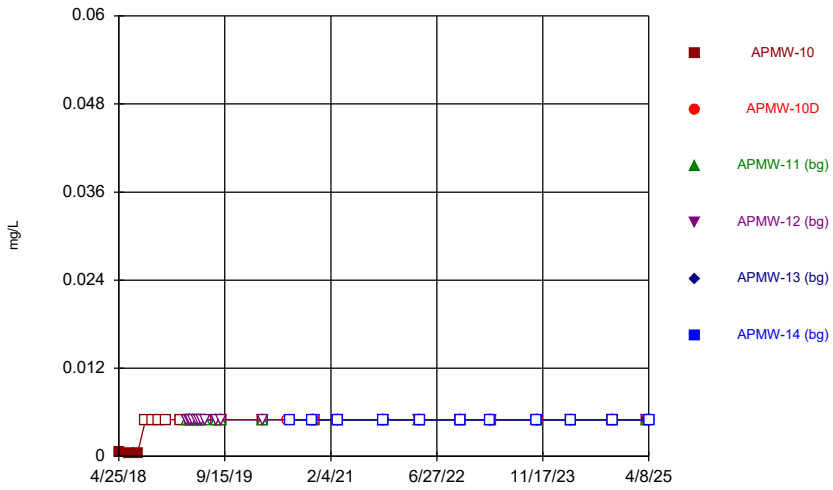


Constituent: pH Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

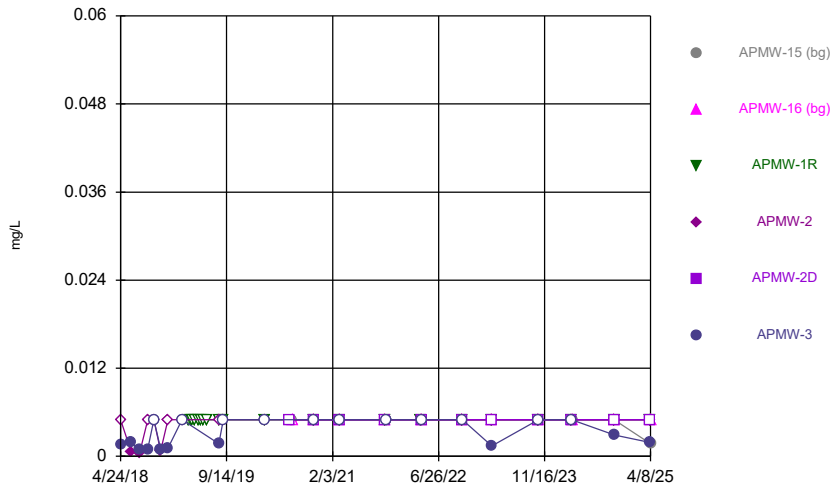
Time Series



Constituent: Selenium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

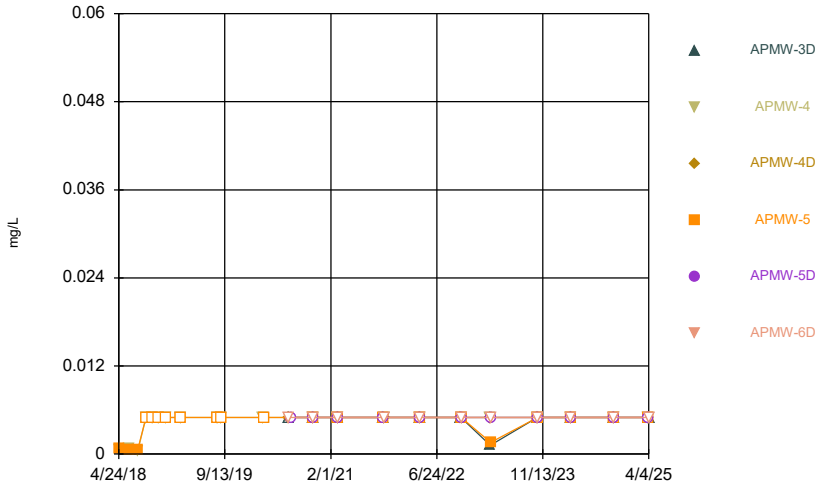
Time Series



Constituent: Selenium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

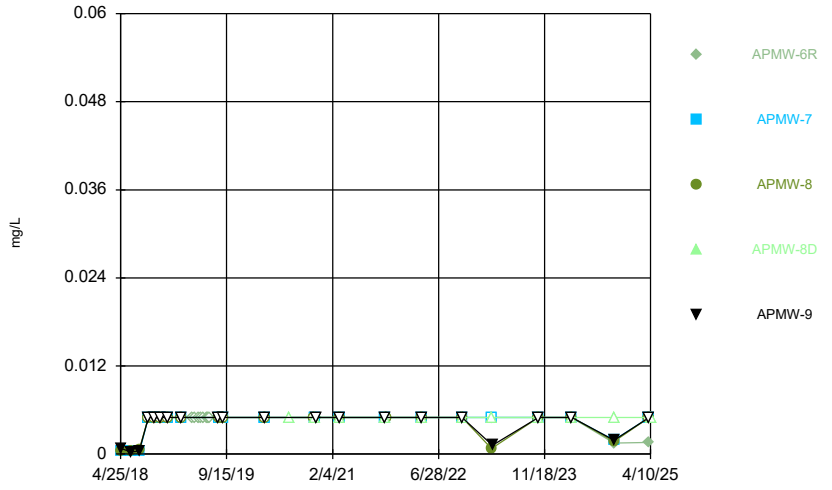
Time Series



Constituent: Selenium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

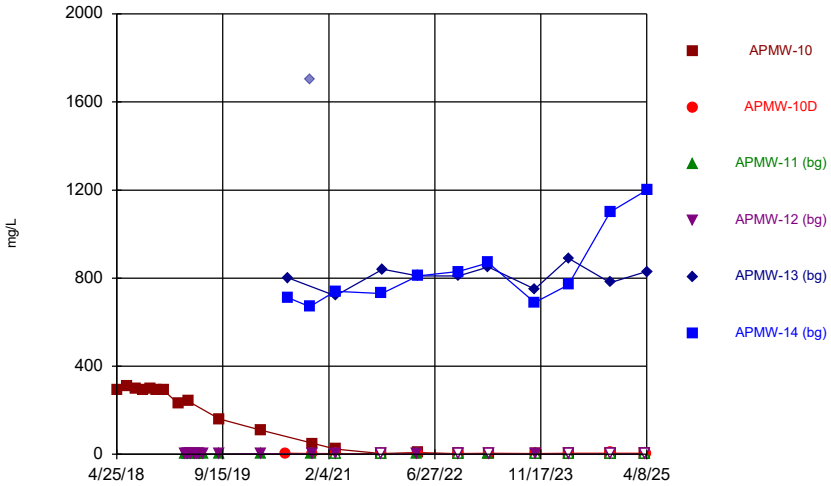
Time Series



Constituent: Selenium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

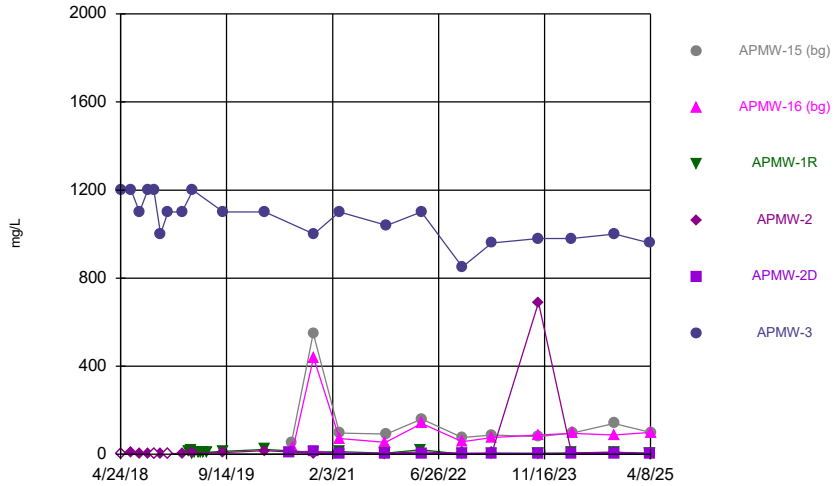
Time Series



Constituent: Sulfate Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

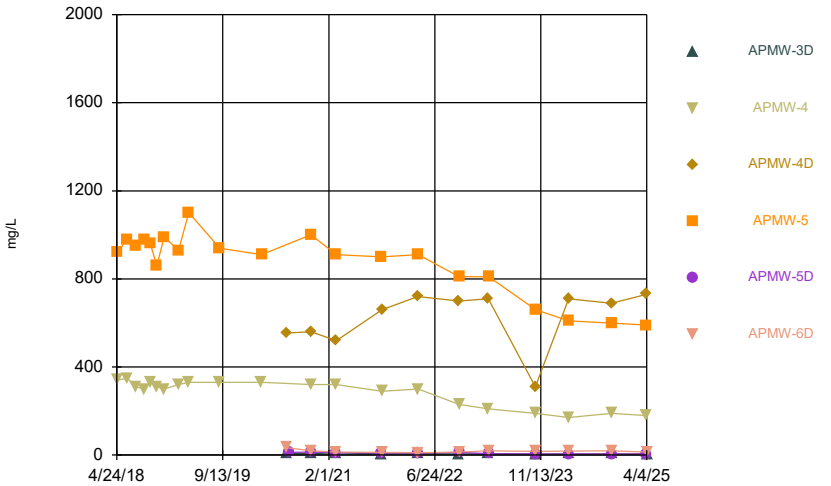
Time Series



Constituent: Sulfate Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

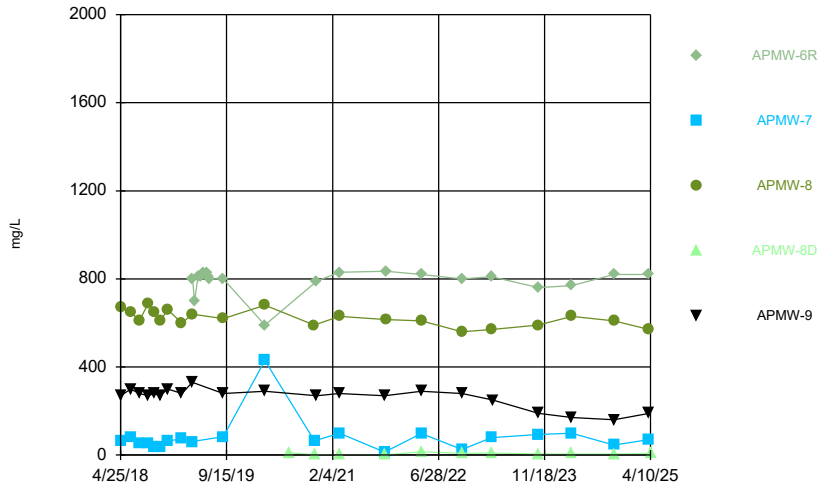
Time Series



Constituent: Sulfate Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

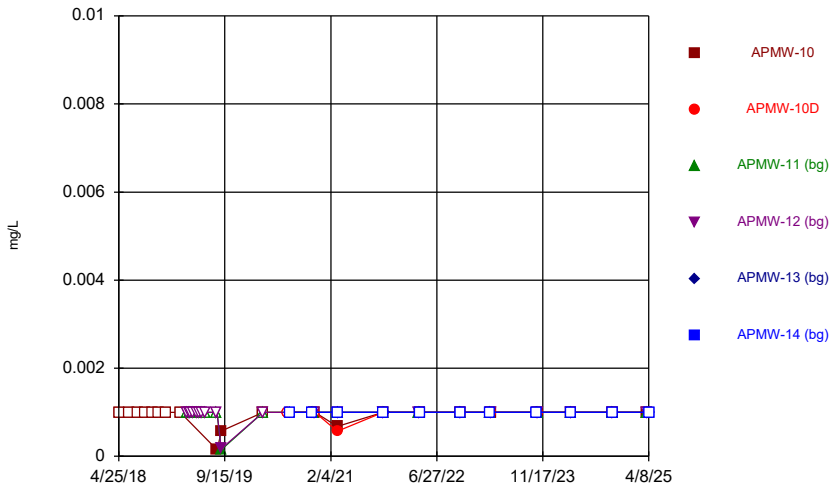
Time Series



Constituent: Sulfate Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

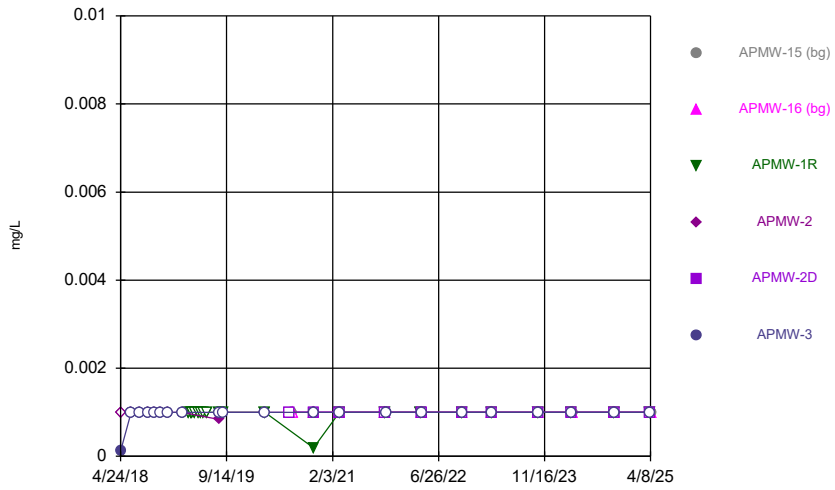
Time Series



Constituent: Thallium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

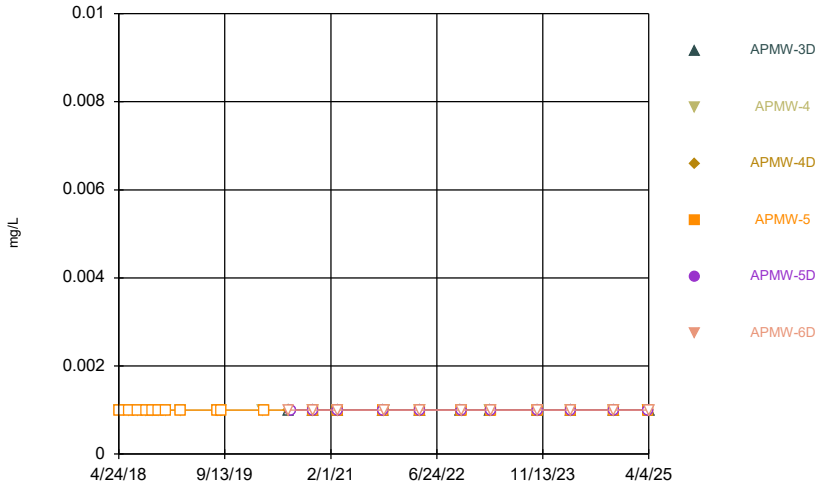
Time Series



Constituent: Thallium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

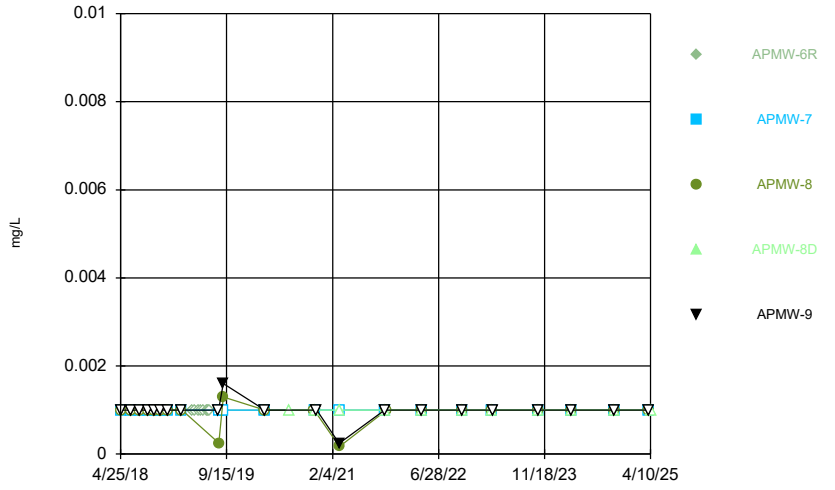
Time Series



Constituent: Thallium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

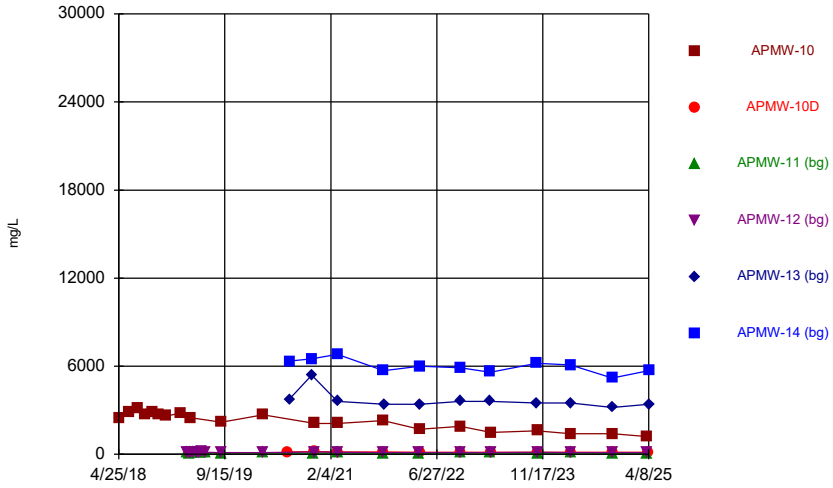
Time Series



Constituent: Thallium Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

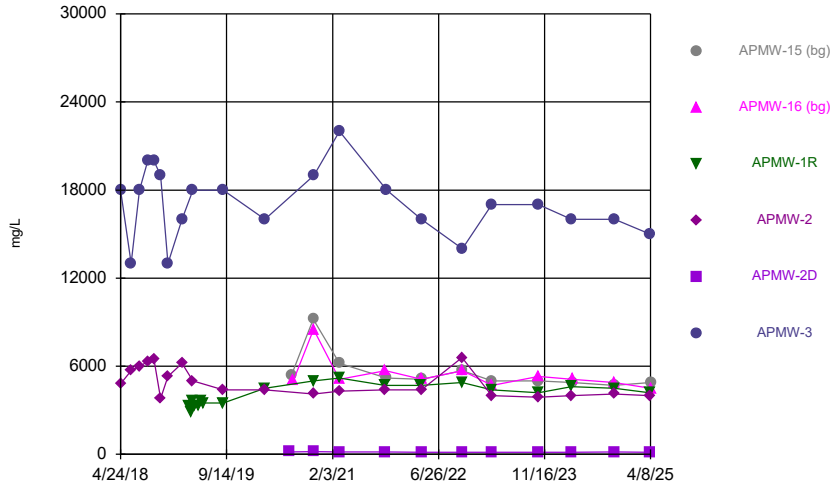
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

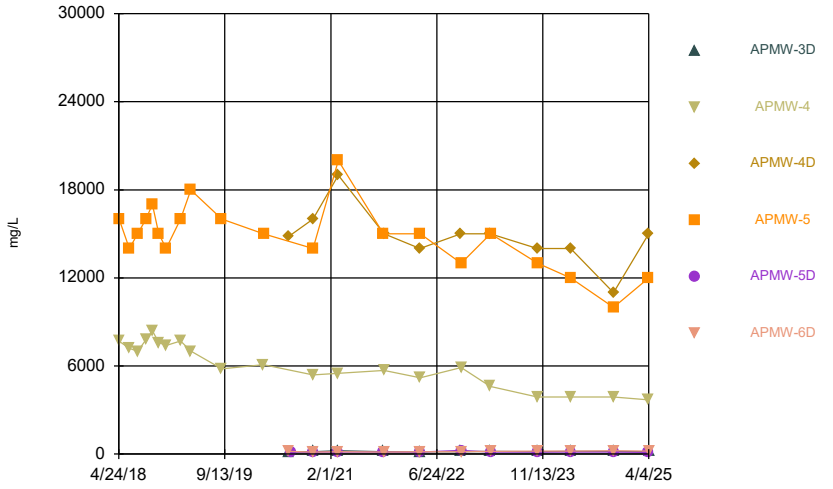
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

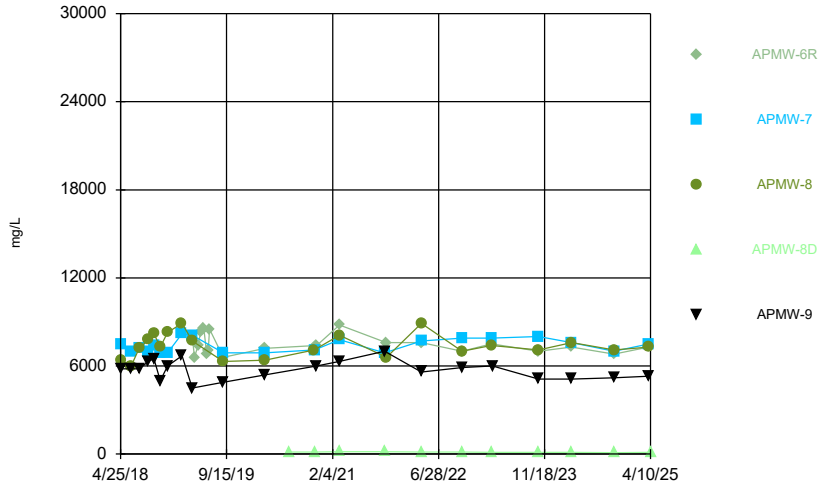
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:30 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			<0.002	<0.002		
8/8/2019	<0.002		<0.002	<0.002		
8/29/2019			<0.002	<0.002		
8/30/2019	<0.002					
3/17/2020	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			<0.002	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	0.00053 (J)				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					<0.002	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
10/14/2024					<0.002	<0.002
10/16/2024	<0.002	<0.002	<0.002	<0.002		
4/2/2025	<0.002		<0.002	<0.002		
4/3/2025		<0.002				
4/8/2025					<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		<0.002
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			<0.002			
8/8/2019			<0.002	0.0014 (J)		<0.002
8/30/2019			<0.002	<0.002		<0.002
3/16/2020			<0.002	<0.002		<0.002
7/11/2020					<0.002	
7/21/2020	<0.002					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	0.00059 (J)
10/19/2022	<0.002	0.00055 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	<0.002	<0.002				
10/18/2023	<0.002	<0.002				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				
10/14/2024	<0.002	<0.002				
10/16/2024			<0.002	<0.002	<0.002	
10/17/2024						0.0014 (J)
4/3/2025			0.00057 (J)	<0.002	<0.002	
4/4/2025						<0.002
4/8/2025	<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.002				
4/25/2018				<0.002		
6/14/2018		<0.002		<0.002		
7/24/2018		<0.002		<0.002		
9/1/2018		<0.002		<0.002		
10/1/2018		<0.002				
10/2/2018				<0.002		
11/2/2018		<0.002		<0.002		
12/6/2018		<0.002		<0.002		
2/13/2019		<0.002		<0.002		
8/9/2019		<0.002		<0.002		
8/30/2019		<0.002		<0.002		
3/16/2020		<0.002				
3/17/2020				<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					<0.002	
11/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						0.00075 (J)
10/18/2022	<0.002		<0.002			
10/19/2022		<0.002		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002			
10/20/2023				<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
3/28/2024						<0.002
10/17/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/3/2025		<0.002	<0.002	<0.002	<0.002	
4/4/2025	<0.002					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.002	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		<0.002	<0.002		
7/23/2018			<0.002		<0.002
7/24/2018		<0.002			
9/6/2018		<0.002	<0.002		<0.002
10/2/2018		<0.002	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		<0.002			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
8/30/2019	<0.002	<0.002	<0.002		<0.002
3/17/2020	<0.002	<0.002	<0.002		<0.002
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	0.00066 (J)	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002
10/16/2024					<0.002
10/17/2024	<0.002	<0.002	<0.002	<0.002	
3/31/2025	<0.002				
4/3/2025			<0.002		<0.002
4/4/2025		<0.002			
4/10/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.13					
6/13/2018	0.11					
7/23/2018	0.13					
9/1/2018	0.12					
10/2/2018	0.11					
11/1/2018	0.11					
12/6/2018	0.12					
2/13/2019	0.098					
3/16/2019			0.00062 (J)	0.00084 (J)		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	0.0013 (D)		
4/16/2019			<0.005	0.0013		
5/3/2019			<0.005	0.0011 (J)		
5/14/2019			<0.005	0.00061 (J)		
5/29/2019			0.00037 (J)	0.0011		
6/12/2019			0.00056 (J)	0.0013		
8/8/2019	0.11		<0.005	0.001		
8/29/2019			<0.005	0.00041 (J)		
8/30/2019	0.079					
3/17/2020	0.093		<0.005	0.00043 (J)		
7/13/2020		0.0116				
7/21/2020					<0.005	0.00215
11/4/2020					0.00032 (J)	<0.005
11/9/2020			<0.005			
11/20/2020	0.072	0.019		0.00042 (J)		
3/8/2021	0.047	0.01			<0.005	<0.005
3/10/2021			<0.005	0.00039 (J)		
10/11/2021			<0.005	0.00031 (J)		
10/12/2021	0.028	0.011				
10/15/2021						0.00058 (J)
10/20/2021					<0.005	
4/4/2022			<0.005	0.00044 (J)		
4/5/2022	0.039	0.016				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	0.00034 (J)		
10/18/2022	0.037	0.0054				
10/19/2022					<0.005	0.00033 (J)
3/7/2023			<0.005			
3/10/2023					<0.005	0.00034 (J)
3/13/2023	0.032	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	0.037	0.007 (J)	<0.005	<0.005		
3/28/2024						0.00029 (J)
3/29/2024	0.032	0.007	<0.005	<0.005	<0.005	
10/14/2024					0.0021 (J)	0.0013 (J)
10/16/2024	0.029	0.0072 (J)	<0.005	<0.005		
4/2/2025	0.028		<0.005	<0.005		
4/3/2025		0.0071 (J)				
4/8/2025					<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.00077 (J)		0.084
6/14/2018				<0.005		0.081
7/24/2018				<0.005		0.093
9/1/2018				<0.005		0.099
10/1/2018				0.00094 (J)		0.077
11/2/2018				0.0012 (J)		0.067
12/7/2018				<0.005		0.063
2/13/2019				<0.005		0.065
3/16/2019			0.0021			
3/27/2019			0.0019			
4/3/2019			0.0019			
4/15/2019			0.0025			
5/2/2019			0.0019			
5/14/2019			0.0027			
5/28/2019			<0.005			
6/12/2019			0.0023			
8/8/2019			0.0012	0.00035 (J)		0.074
8/30/2019			0.0011	<0.005		0.07
3/16/2020			0.00085 (J)	<0.005		0.071
7/11/2020					0.00374	
7/21/2020	0.00277					
7/30/2020		0.00496				
11/3/2020	0.0013					
11/4/2020		0.0036	0.00069 (J)			
11/5/2020				<0.005	0.0033	0.064
3/8/2021	0.00073 (J)	0.00072 (J)	0.0005 (J)	<0.005	0.0032	
3/9/2021						0.042
10/12/2021			<0.005	<0.005	0.0027	
10/15/2021		0.0007 (J)				
10/20/2021	0.00079 (JD)					
10/21/2021						0.0445 (D)
4/4/2022			0.0004 (J)			
4/5/2022				<0.005	0.0029	0.047
4/7/2022	0.00063 (J)	0.00078 (J)				
10/17/2022			0.00031 (J)	<0.005		
10/18/2022					0.0028	0.061
10/19/2022	0.00062 (J)	0.0011				
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072
3/10/2023	0.00078 (J)	0.00073 (J)				
10/18/2023	0.00094 (J)	0.0016 (J)				
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072
3/28/2024	0.00094 (J)	0.0012				
10/14/2024	0.0019 (J)	0.0012 (J)				
10/16/2024			<0.005	<0.005	0.002 (J)	
10/17/2024						0.083
4/3/2025			<0.005	<0.005	0.002 (J)	
4/4/2025						0.078
4/8/2025	0.00091 (J)	<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.019				
4/25/2018				0.24		
6/14/2018		0.018		0.22		
7/24/2018		0.018		0.23		
9/1/2018		0.017		0.22		
10/1/2018		0.017				
10/2/2018				0.21		
11/2/2018		0.018		0.26		
12/6/2018		0.018		0.23		
2/13/2019		0.019		0.23		
8/9/2019		0.018		0.24		
8/30/2019		0.016		0.2		
3/16/2020		0.017				
3/17/2020				0.21		
7/13/2020	0.002					
7/14/2020			0.00773			0.00412
7/30/2020					0.00958	
11/9/2020	0.0033	0.018	0.0043	0.26	0.012	
11/10/2020						0.0041
3/9/2021	0.0035	0.016	0.0059	0.21	0.013	
3/10/2021						0.0045
10/11/2021	0.0037				0.013	
10/12/2021				0.21		
10/14/2021		0.012	0.0046			0.0055
4/5/2022	0.0028		0.0044			
4/6/2022		0.011		0.21	0.016	
4/7/2022						0.0052
10/18/2022	0.0037		0.0028			
10/19/2022		0.0073		0.18	0.014	0.0031
3/8/2023	0.0027	0.0075	0.0031			
3/9/2023				0.22	0.016	0.0041
10/19/2023	0.0033 (J)	0.0076 (J)	0.0039 (J)			
10/20/2023				0.25	0.022	0.0055 (J)
3/26/2024	0.0039	0.0041	0.0033	0.21	0.019	
3/28/2024						0.0051
10/17/2024	0.0036 (J)	0.0059 (J)	0.0029 (J)	0.22	0.021	0.006 (J)
4/3/2025		0.0038 (J)	0.0042 (J)	0.21	0.018	
4/4/2025	0.0034 (J)					0.0064 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0021	0.097		0.0016
6/13/2018					0.001 (J)
6/14/2018		0.0015	0.089		
7/23/2018			0.094		0.0011 (J)
7/24/2018		0.0015			
9/6/2018		0.0013	0.082		0.0011 (J)
10/2/2018		0.0014	0.075		0.0015
11/1/2018			0.081		0.0014
11/2/2018		0.0028			
12/6/2018		0.0033	0.079		0.0016
2/13/2019		0.0012 (J)	0.077		0.0013
4/5/2019	0.13 (D)				
4/15/2019	0.13				
5/2/2019	0.089				
5/14/2019	0.13				
5/29/2019	0.12				
6/12/2019	0.13				
6/19/2019	0.16				
6/25/2019	0.13				
8/8/2019					0.0012
8/9/2019	0.16	0.00053 (J)	0.052		
8/30/2019	0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.18	0.00053 (J)	0.043		0.001
7/13/2020				0.000995 (J)	
11/9/2020			0.036		
11/10/2020		0.00058 (J)		0.0034	
11/20/2020	0.18				0.0012
3/8/2021					0.0015
3/9/2021	0.21	0.00045 (J)	0.035	0.0045	
10/12/2021		0.00044 (J)		0.0044	0.0013
10/20/2021	0.2 (D)				
10/21/2021			0.026 (D)		
4/6/2022		0.00048 (J)	0.023	0.0028	0.0013
4/7/2022	0.21				
10/18/2022		0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.21				
3/9/2023	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023					0.0014
10/20/2023	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
3/26/2024	0.3	0.00068 (J)		0.0031	
3/28/2024			0.019		0.0012
10/16/2024					0.0015 (J)
10/17/2024	0.31	0.0029 (J)	0.025	0.0029 (J)	
3/31/2025	0.076				
4/3/2025			0.028		0.00096 (J)
4/4/2025		<0.005			
4/10/2025				0.0036 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.26					
6/13/2018	0.3					
7/23/2018	0.24					
9/1/2018	0.25					
10/2/2018	0.23					
11/1/2018	0.23					
12/6/2018	0.24					
2/13/2019	0.26					
3/16/2019			0.09	0.069		
3/27/2019			0.095 (D)	0.079 (D)		
4/3/2019			0.085 (D)	0.075 (D)		
4/16/2019			0.081	0.072		
5/3/2019			0.074	0.076		
5/14/2019			0.083	0.076		
5/29/2019			0.04	0.091		
6/12/2019			0.066	0.083		
8/8/2019	0.24		0.053	0.065		
8/29/2019			0.043	0.071		
8/30/2019	0.2					
3/17/2020	0.25		0.037	0.07		
7/13/2020		0.0358				
7/21/2020					0.212	0.243
11/4/2020					0.11	0.22
11/9/2020			0.038			
11/20/2020	0.27	0.032		0.065		
3/8/2021	0.32	0.026			0.24	0.21
3/10/2021			0.038	0.06		
10/11/2021			0.037	0.06		
10/12/2021	0.34	0.027				
10/15/2021						0.22
10/20/2021					0.25	
4/4/2022			0.037	0.062		
4/5/2022	0.37	0.027				
4/7/2022					0.24	0.23
10/17/2022			0.037	0.057		
10/18/2022	0.37	0.027				
10/19/2022					0.23	0.19
3/7/2023			0.034			
3/10/2023					0.22	0.19
3/13/2023	0.38	<0.01				
3/14/2023				0.062		
10/18/2023					0.21	0.25
10/21/2023	0.32	0.026	0.038	0.065		
3/28/2024						0.21
3/29/2024	0.34	0.025	0.037	0.065	0.2	
10/14/2024					0.24	0.22
10/16/2024	0.34	0.024 (J)	0.041	0.075		
4/2/2025	0.31		0.036	0.07		
4/3/2025		0.026				
4/8/2025					0.2	0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2.8		0.097
6/14/2018				3.1		0.11
7/24/2018				3		0.1
9/1/2018				2.9		0.12
10/1/2018				4		0.1
11/2/2018				3.1		0.1
12/7/2018				3.3		0.11
2/13/2019				2.9		0.1
3/16/2019			0.89			
3/27/2019			1.1			
4/3/2019			1.1			
4/15/2019			0.98			
5/2/2019			0.94			
5/14/2019			1			
5/28/2019			1			
6/12/2019			0.91			
8/8/2019			0.93	3.2		0.1
8/30/2019			0.91	2.7		0.1
3/16/2020			1.2	3.2		0.1
7/11/2020					0.0418	
7/21/2020	0.059					
7/30/2020		0.0659				
11/3/2020	0.054					
11/4/2020		0.076	1.4			
11/5/2020				3.2	0.038	0.1
3/8/2021	0.048	0.063	1.3	3.3	0.037	
3/9/2021						0.1
10/12/2021			1.5	3.3	0.04	
10/15/2021		0.067				
10/20/2021	0.049					
10/21/2021						0.095
4/4/2022			1.6			
4/5/2022				3.6	0.049	0.098
4/7/2022	0.048	0.067				
10/17/2022			1.7	3.4		
10/18/2022					0.067	0.096
10/19/2022	0.043	0.069				
3/8/2023			1.8	3.6	0.06	0.11
3/10/2023	0.045	0.055				
10/18/2023	0.048	0.082				
10/19/2023			1.9	3.9	0.068	0.071
3/25/2024			1.6	3.9	0.066	0.099
3/28/2024	0.036	0.067				
10/14/2024	0.069	0.073				
10/16/2024			2.2	4.5	0.073	
10/17/2024						0.1
4/3/2025			1.8	4.4	0.07	
4/4/2025						0.098
4/8/2025	0.045	0.055				

Time Series

Constituent: Barium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.46				
4/25/2018				0.093		
6/14/2018		0.5		0.11		
7/24/2018		0.54		0.093		
9/1/2018		0.53		0.1		
10/1/2018		0.5				
10/2/2018				0.1		
11/2/2018		0.5		0.12		
12/6/2018		0.43		0.1		
2/13/2019		0.45		0.1		
8/9/2019		0.33		0.11		
8/30/2019		0.29		0.086		
3/16/2020		0.27				
3/17/2020				0.1		
7/13/2020	0.135					
7/14/2020			0.342			0.107
7/30/2020					0.0659	
11/9/2020	0.14	0.23	0.24	0.1	0.069	
11/10/2020						0.077
3/9/2021	0.16	0.22	0.21	0.1	0.059	
3/10/2021						0.087
10/11/2021	0.18				0.052	
10/12/2021				0.1		
10/14/2021		0.21	0.13			0.1
4/5/2022	0.18		0.097			
4/6/2022		0.17		0.11	0.053	
4/7/2022						0.13
10/18/2022	0.19		0.088			
10/19/2022		0.23		0.1	0.053	0.073
3/8/2023	0.16	0.17	0.083			
3/9/2023				0.11	0.043	0.15
10/19/2023	0.18	0.16	0.088			
10/20/2023				0.11	0.044	0.16
3/26/2024	0.17	0.14	0.082	0.097	0.041	
3/28/2024						0.19
10/17/2024	0.18	0.15	0.077	0.1	0.036	0.19
4/3/2025		0.16	0.077	0.1	0.036	
4/4/2025	0.15					0.17

Time Series

Constituent: Barium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.66	0.2		0.42
6/13/2018					0.45
6/14/2018		0.74	0.22		
7/23/2018			0.2		0.42
7/24/2018		0.72			
9/6/2018		0.79	0.22		0.45
10/2/2018		0.93	0.21		0.43
11/1/2018			0.21		0.43
11/2/2018		1.1			
12/6/2018		0.7	0.22		0.44
2/13/2019		0.59	0.23		0.44
4/5/2019	0.071 (D)				
4/15/2019	0.067				
5/2/2019	0.071				
5/14/2019	0.068				
5/29/2019	0.067 (J)				
6/12/2019	0.064 (J)				
6/19/2019	0.059 (J)				
6/25/2019	0.057 (J)				
8/8/2019					0.42
8/9/2019	0.058	0.76	0.2		
8/30/2019	0.052	0.56	0.2		0.42
3/17/2020	0.05	0.53	0.21		0.49
7/13/2020				0.192	
11/9/2020			0.23		
11/10/2020		0.77		0.12	
11/20/2020	0.048				0.48
3/8/2021					0.47
3/9/2021	0.055	0.53	0.22	0.15	
10/12/2021		0.97		0.14	0.49
10/20/2021	0.048				
10/21/2021			0.23		
4/6/2022		0.61	0.24	0.12	0.52
4/7/2022	0.043 (J)				
10/18/2022		0.97	0.24	0.1	0.5
10/19/2022	0.044				
3/9/2023	0.046	0.65	0.3	0.1	
3/13/2023					0.55
10/20/2023	0.048	0.7	0.3	0.082	0.4
3/26/2024	0.042	0.58		0.075	
3/28/2024			0.23		0.64
10/16/2024					0.57
10/17/2024	0.043	0.92	0.26	0.074	
3/31/2025	0.048				
4/3/2025			0.22		0.6
4/4/2025		0.58			
4/10/2025				0.069	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			0.00019 (J)	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			0.0002 (J)	0.00023 (J)		
8/30/2019	0.00043 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		
4/2/2025	<0.0025		<0.0025	<0.0025		
4/3/2025		<0.0025				
4/8/2025					0.00024 (J)	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			<0.0025			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	0.00061 (J)		<0.0025
8/30/2019			0.00019 (J)	0.00023 (J)		0.00018 (J)
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	0.00018 (J)	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	0.00024 (J)	<0.0025	
10/17/2024						<0.0025
4/3/2025			<0.0025	0.00032 (J)	<0.0025	
4/4/2025						0.00021 (J)
4/8/2025	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025
10/17/2024	<0.0025	0.00024 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/3/2025		<0.0025	<0.0025	<0.0025	<0.0025	
4/4/2025	<0.0025					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	<0.0025	<0.0025	<0.0025		
8/30/2019	0.00036 (J)	0.00025 (J)	0.00038 (J)		0.00049 (J)
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					0.00024 (J)
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	0.0003 (J)	<0.0025	
3/13/2023					0.00027 (J)
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	<0.0025	<0.0025	<0.0025	<0.0025	
3/31/2025	0.003 (J)				
4/3/2025			<0.0025		<0.0025
4/4/2025		<0.0025			
4/10/2025				<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1.7					
6/13/2018	1.7					
7/23/2018	2					
9/1/2018	1.9					
10/2/2018	1.8					
11/1/2018	1.8					
12/6/2018	1.9					
2/13/2019	2.4					
3/16/2019			0.028 (J)	0.035 (J)		
3/27/2019			0.027 (JD)	0.033 (JD)		
4/3/2019			0.089 (D)	0.023 (JD)		
4/4/2019	1.8					
4/16/2019			<0.08	<0.08		
5/3/2019			<0.08	0.021 (J)		
5/14/2019			<0.08	<0.08		
5/29/2019			0.034 (J)	0.044 (J)		
6/12/2019			0.05 (J)	0.047 (J)		
8/29/2019			<0.08	<0.08		
8/30/2019	1.9					
3/17/2020	1.9		0.057 (J)	0.057 (J)		
7/13/2020		0.105				
7/21/2020					0.58	0.718
11/4/2020					0.88	0.85
11/9/2020			<0.08			
11/20/2020	1.8	0.22		0.098		
3/8/2021	1.8	0.14			0.63	0.71
3/10/2021			<0.08	0.046 (J)		
10/11/2021			0.053 (J)	0.045 (J)		
10/12/2021	1.9	0.14				
10/15/2021						0.78
10/20/2021					0.64	
4/4/2022			0.11	0.082		
4/5/2022	2.1	0.15				
4/7/2022					0.61	0.71
10/17/2022			<0.08	<0.08		
10/18/2022	2.4	0.21				
10/19/2022					0.66	0.75
3/7/2023			<0.08			
3/10/2023					0.66	0.69
3/13/2023	2.1	0.11				
3/14/2023				<0.08		
10/18/2023					0.62	0.77
10/21/2023	2.7	0.19 (J)	0.056 (J)	0.047 (J)		
3/28/2024						0.84
3/29/2024	2.4	0.17	<0.08	<0.08	0.54	
10/14/2024					0.69	0.78
10/16/2024	2.2 (J)	0.11 (J)	0.026 (J)	0.046 (J)		
4/2/2025	2.9 (J)		0.038 (J)	0.033 (J)		
4/3/2025		0.13 (J)				
4/8/2025					0.6 (J)	0.82 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4.1		5.3
6/14/2018				4		5.1
7/24/2018				4.3		5.5
9/1/2018				4		4.9
10/1/2018				4		5
11/2/2018				3.5		4.6
12/7/2018				3.9		4.8
2/13/2019				4.4		6
3/16/2019			4.5			
3/27/2019			5.2			
4/3/2019			5.3			
4/5/2019				3.6		4.5
4/15/2019			5.9			
5/2/2019			5.3			
5/14/2019			5.5			
5/28/2019			5.7			
6/12/2019			4.4			
8/30/2019			6.2	3.7		5
3/16/2020			7.2	3.7		5.3
7/11/2020					0.0771	
7/21/2020	0.609					
7/30/2020		0.62				
11/3/2020	1.2					
11/4/2020		1.2	6.8			
11/5/2020				3.6	0.12	5.1
3/8/2021	0.59	0.6	7.3	3.5	0.094	
3/9/2021						5.5
10/12/2021			7.2	3.8	0.37	
10/15/2021		0.77				
10/20/2021	0.65					
10/21/2021						5.1
4/4/2022			6.6			
4/5/2022				3.7	0.11	6.3
4/7/2022	0.61	0.58				
10/17/2022			1.3	3.1		
10/18/2022					0.16	5.6
10/19/2022	0.73	0.71				
3/8/2023			5.3	3.6	0.11	5.7
3/10/2023	0.66	0.67				
10/18/2023	0.72	0.71				
10/19/2023			5	3.4	0.17 (J)	5
3/25/2024			6.7	3.7	0.09	5.5
3/28/2024	0.86	1				
10/14/2024	0.7	0.74				
10/16/2024			5.6	2.8	0.078 (J)	
10/17/2024						4.3 (J)
4/3/2025			6.5	3.3 (J)	0.079 (J)	
4/4/2025						4.5 (J)
4/8/2025	0.68 (J)	0.75 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		1.9				
4/25/2018				6.9		
6/14/2018		1.9		6.8		
7/24/2018		1.9		6.9		
9/1/2018		1.7		6.2		
10/1/2018		1.7				
10/2/2018				6.5		
11/2/2018		1.7		5.5		
12/6/2018		1.7		5.7		
2/13/2019		1.7		7.6		
4/4/2019				5.8		
4/5/2019		1.6				
8/30/2019		1.6		6.1		
3/16/2020		1.6				
3/17/2020				6.6		
7/13/2020	0.0613					
7/14/2020			3.55			0.0574
7/30/2020					0.0792	
11/9/2020	0.072 (J)	1.3	3.6	5.8	0.062 (J)	
11/10/2020						0.068 (J)
3/9/2021	0.099	1.2	3.3	6.1	0.083	
3/10/2021						0.076 (J)
10/11/2021	0.073 (J)				0.11	
10/12/2021				6.1		
10/14/2021		1.2	3.5			0.077
4/5/2022	0.091		4			
4/6/2022		1.1		5.8	0.086	
4/7/2022						0.089
10/18/2022	0.11		3.4			
10/19/2022		1.3		6.5	0.14	0.13
3/8/2023	0.13	0.89	3.9			
3/9/2023				6.6	0.083	0.11
10/19/2023	0.15 (J)	0.93	3.2			
10/20/2023				6	0.086 (J)	0.088 (J)
3/26/2024	0.14	0.92	4.6	6.3	<0.08	
3/28/2024						0.076 (J)
10/17/2024	0.072 (J)	1	3.2	3.2 (J)	0.053 (J)	0.066 (J)
4/3/2025		1 (J)	3.3	6.7	0.082 (J)	
4/4/2025	0.073 (J)					0.061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		1	23		6.8
6/13/2018					6.6
6/14/2018		0.91	21		
7/23/2018			22		6.8
7/24/2018		1			
9/6/2018		1.1	21		6.5
10/2/2018		0.95	21		6.5
11/1/2018			19		5.6
11/2/2018		0.82			
12/6/2018		1.1	20		6.4
2/13/2019		0.95	27		8.4
4/4/2019		0.98	20		6.1
4/5/2019	8.9 (D)				
4/15/2019	10				
5/2/2019	10				
5/14/2019	9.3				
5/29/2019	9.5				
6/12/2019	11				
6/19/2019	9.5				
6/25/2019	11				
8/30/2019	11	0.88	19		7.1
3/17/2020	11	0.98	20		7.1
7/13/2020				0.042 (J)	
11/9/2020			21		
11/10/2020		0.94		0.076 (J)	
11/20/2020	9.5				6.5
3/8/2021					6.5
3/9/2021	12	0.91	21	0.095	
10/12/2021		1.2		0.077 (J)	6.7
10/20/2021	11				
10/21/2021			22		
4/6/2022		1.4	19	0.066 (J)	5.9
4/7/2022	10				
10/18/2022		1.2	23	0.14	7.1
10/19/2022	11				
3/9/2023	11	0.87	19	0.091	
3/13/2023					6.2
10/20/2023	13	1.1	21	0.049 (J)	7
3/26/2024	13	1.3		<0.08	
3/28/2024			21		7.8
10/16/2024					7.3 (J)
10/17/2024	13	1	18	0.048 (J)	
3/31/2025	12				
4/3/2025			19		8.2
4/4/2025		0.97 (J)			
4/10/2025				0.093 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	<0.0025					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00025 (J)	0.00025 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		
4/2/2025	<0.0025		<0.0025	<0.0025		
4/3/2025		<0.0025				
4/8/2025					<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			0.00045 (J)			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	<0.0025		<0.0025
8/30/2019			<0.0025	<0.0025		<0.0025
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		0.000355 (J)				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	<0.0025	<0.0025	
10/17/2024						<0.0025
4/3/2025			0.00015 (J)	<0.0025	<0.0025	
4/4/2025						<0.0025
4/8/2025	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025
10/17/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/3/2025		<0.0025	<0.0025	<0.0025	<0.0025	
4/4/2025	<0.0025					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	0.00014 (J)	<0.0025	<0.0025		
8/30/2019	0.00026 (J)	<0.0025	<0.0025		<0.0025
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	0.00014 (J)	<0.0025	<0.0025	<0.0025	
3/31/2025	0.00018 (J)				
4/3/2025			<0.0025		<0.0025
4/4/2025		<0.0025			
4/10/2025				<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	68					
6/13/2018	79					
7/23/2018	73					
9/1/2018	68					
10/2/2018	71					
11/1/2018	67					
12/6/2018	65					
2/13/2019	64					
3/16/2019			17	13		
3/27/2019			16 (D)	15 (D)		
4/3/2019			15 (D)	13 (D)		
4/4/2019	80					
4/16/2019			13	12		
5/3/2019			12	13		
5/14/2019			14	13		
5/29/2019			7	15		
6/12/2019			13	14		
8/29/2019			9.4	12		
8/30/2019	53					
3/17/2020	59		9.8	12		
7/13/2020		2.62				
7/21/2020					97.7	127
11/4/2020					110	120
11/9/2020			11			
11/20/2020	53	2.9		12		
3/8/2021	47	3.4			92	110
3/10/2021			12	12		
10/11/2021			11	12		
10/12/2021	52	3.6				
10/15/2021						110
10/20/2021					97	
4/4/2022			11	12		
4/5/2022	42	2.5				
4/7/2022					96	110
10/17/2022			9.5	10		
10/18/2022	46	2.7				
10/19/2022					100	110
3/7/2023			9.7			
3/10/2023					91	110
3/13/2023	46	<0.5				
3/14/2023				12		
10/18/2023					87	130
10/21/2023	44	2.7	10	12		
3/28/2024						130
3/29/2024	45	2.6	13	13	100	
10/14/2024					100	150
10/16/2024	38	2.6	12	14		
4/2/2025	35		10	12		
4/3/2025		2.4 (J)				
4/8/2025					95	150

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				310		320
6/14/2018				360		310
7/24/2018				370		360
9/1/2018				390		320
10/1/2018				380		360
11/2/2018				320		310
12/7/2018				330		320
2/13/2019				320		300
3/16/2019			130			
3/27/2019			140			
4/3/2019			140			
4/5/2019				310		290
4/15/2019			130			
5/2/2019			130			
5/14/2019			140			
5/28/2019			150			
6/12/2019			130			
8/30/2019			160	340		320
3/16/2020			200	350		310
7/11/2020					3.66	
7/21/2020	81.7					
7/30/2020		99.2				
11/3/2020	120					
11/4/2020		130	200			
11/5/2020				350	4.6	370
3/8/2021	69	69	210	350	3.6	
3/9/2021						350
10/12/2021			200	360	4.1	
10/15/2021		75				
10/20/2021	68 (D)					
10/21/2021						350 (D)
4/4/2022			200			
4/5/2022				380	3.3	330
4/7/2022	64	67				
10/17/2022			200	360		
10/18/2022					2.6	310
10/19/2022	65	82				
3/8/2023			190	370	2.8	320
3/10/2023	60	57				
10/18/2023	61	73				
10/19/2023			180	340	2.8	270
3/25/2024			200	360	2.7	290
3/28/2024	58	75				
10/14/2024	74	70				
10/16/2024			210	330	3	
10/17/2024						260
4/3/2025			190	330	3	
4/4/2025						260
4/8/2025	60	56				

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		190				
4/25/2018				350		
6/14/2018		200		340		
7/24/2018		210		340		
9/1/2018		220		360		
10/1/2018		210				
10/2/2018				310		
11/2/2018		190		310		
12/6/2018		190		330		
2/13/2019		180		310		
4/4/2019				270		
4/5/2019		170				
8/30/2019		170		320		
3/16/2020		170				
3/17/2020				330		
7/13/2020	5.41					
7/14/2020			220			6.42
7/30/2020					1.34	
11/9/2020	10	160	220	330	1.7	
11/10/2020						8.1
3/9/2021	13	160	240	340	1.5	
3/10/2021						5.3
10/11/2021	11				1.3	
10/12/2021				310		
10/14/2021		150	240			6.1
4/5/2022	10		230			
4/6/2022		130		320	1.2	
4/7/2022						10
10/18/2022	13		260			
10/19/2022		140		340	3.5	6
3/8/2023	10	120	230			
3/9/2023				310	1.1	12
10/19/2023	13	97	200			
10/20/2023				290	1.1 (J)	13
3/26/2024	13	96	220	250	1.1	
3/28/2024						22
10/17/2024	13	110	210	250	0.83 (J)	22
4/3/2025		110	220	230	0.91 (J)	
4/4/2025	9.5					22

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		93	560		320
6/13/2018					300
6/14/2018		110	490		
7/23/2018			520		320
7/24/2018		100			
9/6/2018		98	510		310
10/2/2018		93	470		290
11/1/2018			460		280
11/2/2018		110			
12/6/2018		94	490		310
2/13/2019		95	470		300
4/4/2019		98	440		270
4/5/2019	440 (D)				
4/15/2019	390				
5/2/2019	400				
5/14/2019	420				
5/29/2019	450				
6/12/2019	440				
6/19/2019	450				
6/25/2019	450				
8/30/2019	460	90	460		310
3/17/2020	420	110	470		310
7/13/2020				10.5	
11/9/2020			470		
11/10/2020		99		13	
11/20/2020	420				290
3/8/2021					300
3/9/2021	460	120	480	13	
10/12/2021		84		9.4	300
10/20/2021	400 (D)				
10/21/2021			495 (D)		
4/6/2022		110	460	7.7	300
4/7/2022	390				
10/18/2022		100	520	6.1	330
10/19/2022	400				
3/9/2023	370	110	470	6.6	
3/13/2023					300
10/20/2023	320	100	490	5.4	250
3/26/2024	340	100		5.9	
3/28/2024			520		290
10/16/2024					250
10/17/2024	320	88	440	6.1	
3/31/2025	370				
4/3/2025			490		280
4/4/2025		110			
4/10/2025				6.3	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1300					
6/13/2018	1400					
7/23/2018	1200					
9/1/2018	1400					
10/2/2018	1400					
11/1/2018	1300					
12/6/2018	1300					
2/13/2019	1200					
3/16/2019			9.3	14		
3/27/2019			8.2 (D)	15 (D)		
4/3/2019			8.7 (D)	15 (D)		
4/4/2019	1200					
4/16/2019			8.7	14		
5/3/2019			9.3	15		
5/14/2019			8.8	15		
5/29/2019			8.8	14		
6/12/2019			8.8	15		
8/29/2019			8.1	14		
8/30/2019	1200					
3/17/2020	1100		8.2	14		
7/13/2020		4.73				
7/21/2020					1470	2920
11/4/2020					5400	3100
11/9/2020			9.1			
11/20/2020	1000	4.6		16		
3/8/2021	920	4.3			1600	3000
3/10/2021			8.9	15		
10/11/2021			8.9	15		
10/12/2021	860	4.2				
10/15/2021						2800
10/20/2021					3400	
4/4/2022			8.4	14		
4/5/2022	760	4.1				
4/7/2022					1400	2900
10/17/2022			7.5	13		
10/18/2022	680	4.3				
10/19/2022					1400	2900
3/7/2023			7.7			
3/10/2023					1300	2700
3/13/2023	620	5				
3/14/2023				14		
10/18/2023					1300	3200
10/21/2023	630	4	9	13		
3/28/2024						3000
3/29/2024	570	4.2	8.7	13	1400	
10/14/2024					1300	2600
10/16/2024	510	4.4	8.8	14		
4/2/2025	510		8.3	13		
4/3/2025		3.8				
4/8/2025					1400	2900

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2800		11000
6/14/2018				2700		11000
7/24/2018				2800		11000
9/1/2018				2800		10000
10/1/2018				2800		11000
11/2/2018				2700		11000
12/7/2018				2700		12000
2/13/2019				2800		9800
3/16/2019			1900			
3/27/2019			1900			
4/3/2019			1900			
4/5/2019				2600		9900
4/15/2019			1900			
5/2/2019			1900			
5/14/2019			2000			
5/28/2019			1900			
6/12/2019			2000			
8/30/2019			2100	2500		9800
3/16/2020			2600	2500		10000
7/11/2020					5.74	
7/21/2020	2910					
7/30/2020		2830				
11/3/2020	4900					
11/4/2020		4700	4700			
11/5/2020				5100	5.4	9600
3/8/2021	2900	2600	2500	2500	5.1	
3/9/2021						10000
10/12/2021			2300	2400	4.6	
10/15/2021		3100				
10/20/2021	4100 (D)					
10/21/2021						9400 (D)
4/4/2022			2500			
4/5/2022				2600	4.9	9300
4/7/2022	3000	3100				
10/17/2022			2400	2500		
10/18/2022					4.4	8500
10/19/2022	2700	3000				
3/8/2023			2300	2400	4.7	8800
3/10/2023	2800	2600				
10/18/2023	2900	3200				
10/19/2023			2300	6900	5.2	8800
3/25/2024			2500	2500	4.6	9400
3/28/2024	2800	2900				
10/14/2024	2900	2800				
10/16/2024			2200	2300	5.2	
10/17/2024						8400
4/3/2025			2700	2600	4.4	
4/4/2025						8700
4/8/2025	2800	2600				

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		4000				
4/25/2018				8500		
6/14/2018		4000		8700		
7/24/2018		3900		8700		
9/1/2018		4200		8900		
10/1/2018		4200				
10/2/2018				9300		
11/2/2018		4000		8900		
12/6/2018		4000		9000		
2/13/2019		3800		8600		
4/4/2019				8600		
4/5/2019		3900				
8/30/2019		3600		8700		
3/16/2020		3400				
3/17/2020				8900		
7/13/2020	6.04					
7/14/2020			9830			10.5
7/30/2020					10.2	
11/9/2020	<1	3200	9300	9400	9.4	
11/10/2020						10
3/9/2021	49	3100	9100	8700	8.5	
3/10/2021						8.6
10/11/2021	17				7.5	
10/12/2021				8300		
10/14/2021		2900	8400			10
4/5/2022	15		8200			
4/6/2022		2800		8400	8.2	
4/7/2022						19
10/18/2022	23		8400			
10/19/2022		2500		8200	64	11
3/8/2023	16	2400	7800			
3/9/2023				7800	7.4	20
10/19/2023	24	2100	3100			
10/20/2023				7300	7.2	26
3/26/2024	22	2100	7500	7100	6.7	
3/28/2024						42
10/17/2024	19	2100	7300	6500	7.5	45
4/3/2025		2400	7300	6600	6.7	
4/4/2025	15					53

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		3900	3400		2800
6/13/2018					3100
6/14/2018		4100	3600		
7/23/2018			3500		3000
7/24/2018		3900			
9/6/2018		4000	3600		3000
10/2/2018		4000	3800		3100
11/1/2018			3600		3000
11/2/2018		3800			
12/6/2018		4300	3700		3100
2/13/2019		4200	3500		3000
4/4/2019		3700	3500		3100
4/5/2019	4000 (D)				
4/15/2019	3400				
5/2/2019	4100				
5/14/2019	4200				
5/29/2019	4200				
6/12/2019	4200				
6/19/2019	4000				
6/25/2019	4000				
8/30/2019	4100	4000	3400		2800
3/17/2020	6000	4600	3700		3100
7/13/2020				9.1	
11/9/2020			3600		
11/10/2020		4200		9	
11/20/2020	4300				3100
3/8/2021					3100
3/9/2021	4000	4600	3600	8.2	
10/12/2021		3800		10	3000
10/20/2021	4050 (D)				
10/21/2021			3550 (D)		
4/6/2022		4200	3400	7.3	2900
4/7/2022	3900				
10/18/2022		4000	3300	6.1	2900
10/19/2022	4000				
3/9/2023	3700	4200	3300	6.7	
3/13/2023					2900
10/20/2023	3300	3900	3400	7.2	2900
3/26/2024	3500	4100		7.9	
3/28/2024			3600		2800
10/16/2024					2800
10/17/2024	3400	3800	3500	9.6	
3/31/2025	3800				
4/3/2025			4100		3100
4/4/2025		4800			
4/10/2025				12	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			0.0022	0.0022		
8/8/2019	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			0.0044	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	<0.002				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					0.0014 (J)	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
10/14/2024					0.0012 (J)	0.0015 (J)
10/16/2024	<0.002	<0.002	<0.002	<0.002		
4/2/2025	<0.002		<0.002	<0.002		
4/3/2025		<0.002				
4/8/2025					<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		0.0014 (J)
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			0.0032			
8/8/2019			<0.002	<0.002		<0.002
7/11/2020					0.00157 (J)	
7/21/2020	0.00152 (J)					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	<0.002
10/19/2022	0.0015 (J)	0.0018 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	0.0015 (J)	<0.002				
10/18/2023	0.0021 (J)	0.0037 (J)				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				
10/14/2024	0.0021 (J)	0.0025 (J)				
10/16/2024			0.0012 (J)	<0.002	<0.002	
10/17/2024						0.0014 (J)
4/3/2025			<0.002	<0.002	0.0024 (J)	
4/4/2025						<0.002
4/8/2025	0.0015 (J)	0.0012 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0016 (J)				
4/25/2018				0.0013 (J)		
6/14/2018		0.002 (J)		0.0012 (J)		
7/24/2018		0.0022 (J)		<0.002		
9/1/2018		0.0025		0.0024 (J)		
10/1/2018		0.0028				
10/2/2018				0.0015 (J)		
11/2/2018		0.0026		0.0014 (J)		
12/6/2018		0.0012 (J)		<0.002		
2/13/2019		0.0013 (J)		<0.002		
8/9/2019		<0.002		<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					0.00378	
11/9/2020	<0.002	<0.002	<0.002	<0.002	0.0019 (J)	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						<0.002
10/18/2022	<0.002		<0.002			
10/19/2022		0.0021		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	0.0017 (J)	<0.002			
10/20/2023				0.0012 (J)	<0.002	<0.002
3/26/2024	<0.002	<0.002	0.0066	<0.002	<0.002	
3/28/2024						<0.002
10/17/2024	<0.002	0.0019 (J)	<0.002	<0.002	0.0012 (J)	<0.002
4/3/2025		0.0034 (J)	<0.002	<0.002	<0.002	
4/4/2025	<0.002					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0014 (J)	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		0.0014 (J)	0.0032		
7/23/2018			<0.002		<0.002
7/24/2018		0.0014 (J)			
9/6/2018		0.0017 (J)	0.0014 (J)		<0.002
10/2/2018		0.0013 (J)	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		0.0014 (J)			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	0.0022	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	<0.002	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002
10/16/2024					<0.002
10/17/2024	<0.002	0.0014 (J)	0.0012 (J)	<0.002	
3/31/2025	<0.002				
4/3/2025			0.0013 (J)		<0.002
4/4/2025		<0.002			
4/10/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	0.00012 (J)		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	8.2E-05 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			0.00022 (J)			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00033 (J)	0.00028 (J)			<0.0025	<0.0025
3/10/2021			0.00031 (J)	<0.0025		
10/11/2021			0.00044 (J)	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			0.00063 (J)	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			0.00055 (J)	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			0.00041 (J)			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	0.00079 (J)	<0.0025	<0.0025	
10/14/2024					<0.0025	<0.0025
10/16/2024	<0.0025	<0.0025	<0.0025	<0.0025		
4/2/2025	<0.0025		0.00065 (J)	<0.0025		
4/3/2025		<0.0025				
4/8/2025					<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		0.0026
6/14/2018				<0.0025		0.0023 (J)
7/24/2018				<0.0025		0.0026
9/1/2018				<0.0025		0.0023 (J)
10/1/2018				<0.0025		0.0028
11/2/2018				<0.0025		0.0027
12/7/2018				<0.0025		0.0028
2/13/2019				<0.0025		0.0028
3/16/2019			0.00057 (J)			
3/27/2019			0.00044 (J)			
4/3/2019			0.0004 (J)			
4/15/2019			0.00042 (J)			
5/2/2019			<0.0025			
5/14/2019			0.00044 (J)			
5/28/2019			<0.0025			
6/12/2019			0.00037 (J)			
8/8/2019			0.00017 (J)	<0.0025		0.0019
8/30/2019			0.00017 (J)	<0.0025		0.0025
3/16/2020			<0.0025	<0.0025		0.0022
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	0.003
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						0.0034
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		0.00016 (J)				
10/20/2021	<0.0025					
10/21/2021						0.004
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	0.0037
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	0.003
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/25/2024			<0.0025	<0.0025	<0.0025	0.0025
3/28/2024	<0.0025	<0.0025				
10/14/2024	<0.0025	<0.0025				
10/16/2024			<0.0025	<0.0025	<0.0025	
10/17/2024						0.0021 (J)
4/3/2025			<0.0025	<0.0025	<0.0025	
4/4/2025						0.0047 (J)
4/8/2025	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0033				
4/25/2018				<0.0025		
6/14/2018		0.0032		<0.0025		
7/24/2018		0.0036		<0.0025		
9/1/2018		0.0039		<0.0025		
10/1/2018		0.0029				
10/2/2018				<0.0025		
11/2/2018		0.0034		<0.0025		
12/6/2018		0.0032		<0.0025		
2/13/2019		0.0043		<0.0025		
8/9/2019		0.0034		7.5E-05 (J)		
8/30/2019		0.0034		7.9E-05 (J)		
3/16/2020		0.0039				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			0.00381			<0.0025
7/30/2020					0.0011 (J)	
11/9/2020	0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)	
11/10/2020						<0.0025
3/9/2021	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)	
3/10/2021						0.00021 (J)
10/11/2021	<0.0025				0.0003 (J)	
10/12/2021				<0.0025		
10/14/2021		0.0032	0.0037			<0.0025
4/5/2022	<0.0025		0.0055			
4/6/2022		0.0034		<0.0025	0.00033 (J)	
4/7/2022						<0.0025
10/18/2022	<0.0025		0.0056			
10/19/2022		0.0021 (J)		<0.0025	0.00027 (J)	<0.0025
3/8/2023	<0.0025	0.003	0.0062			
3/9/2023				<0.0025	0.00034 (J)	<0.0025
10/19/2023	<0.0025	0.0026 (J)	0.0072 (J)			
10/20/2023				<0.0025	0.00037 (J)	<0.0025
3/26/2024	<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)	
3/28/2024						<0.0025
10/17/2024	<0.0025	0.0029 (J)	0.0093 (J)	<0.0025	0.00024 (J)	<0.0025
4/3/2025		0.0031 (J)	0.0089 (J)	<0.0025	0.00027 (J)	
4/4/2025	0.00034 (J)					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		0.00043 (J)	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	0.0049 (D)				
4/15/2019	0.0045				
5/2/2019	0.0012 (J)				
5/14/2019	0.0024 (J)				
5/29/2019	0.0022 (J)				
6/12/2019	0.002 (J)				
6/19/2019	0.004 (J)				
6/25/2019	0.0014 (J)				
8/8/2019					8.4E-05 (J)
8/9/2019	0.0022	0.00025 (J)	<0.0025		
8/30/2019	0.0039	0.00023 (J)	<0.0025		8.9E-05 (J)
3/17/2020	0.0029	0.00024 (J)	<0.0025		<0.0025
7/13/2020				0.00121 (J)	
11/9/2020			<0.0025		
11/10/2020		0.00024 (J)		<0.0025	
11/20/2020	0.0024 (J)				<0.0025
3/8/2021					<0.0025
3/9/2021	0.0017 (J)	0.00025 (J)	<0.0025	<0.0025	
10/12/2021		0.00028 (J)		<0.0025	<0.0025
10/20/2021	0.0032				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	0.0028				
10/18/2022		0.00033 (J)	<0.0025	<0.0025	<0.0025
10/19/2022	0.0028				
3/9/2023	0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025	<0.0025
3/26/2024	0.0036	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025
10/16/2024					<0.0025
10/17/2024	0.003 (J)	0.00025 (J)	<0.0025	<0.0025	
3/31/2025	0.018				
4/3/2025			<0.0025		<0.0025
4/4/2025		<0.0025			
4/10/2025				<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2.66					
6/13/2018	2.91					
7/23/2018	3.49					
9/1/2018	3.15					
10/2/2018	3.38					
11/1/2018	2.19					
12/6/2018	2.69					
2/13/2019	2.97					
3/16/2019			0.421	0.765		
3/27/2019			0.499	0.306 (U)		
4/3/2019			0.526	1.12		
4/16/2019			0.73	0.447		
5/3/2019			0.32 (U)	0.357		
5/14/2019			0.431 (U)	0.342 (U)		
5/29/2019			0.205 (U)	0.519 (U)		
6/12/2019			<5	<5		
8/8/2019	2.16		0.535	0.262 (U)		
8/29/2019			0.19 (U)	0.253 (U)		
8/30/2019	2.19					
3/17/2020	2.94		0.596	0.703		
7/13/2020		0.272 (U)				
7/21/2020					2.72	4.86
11/4/2020					1.59	3.79
11/9/2020			0.0786 (U)			
11/20/2020	3.47	-0.129 (U)		0.199 (U)		
3/8/2021	2.86	0.73			3.18	5.04
3/10/2021			0.389	0.594		
10/11/2021			0.645	0.994		
10/12/2021	3.57	0.769				
10/15/2021						3.57
10/20/2021					2.8	
4/4/2022			0.478	0.74		
4/5/2022	3.1	0.594				
4/7/2022					2.12	4.53
10/17/2022			0.184 (U)	0.971		
10/18/2022	4.61	0.815				
10/19/2022					3.37	5.71
3/7/2023			0.316 (U)			
3/10/2023					3.24	4.94
3/13/2023	2.92	0.18 (U)				
3/14/2023				0.228 (U)		
10/18/2023					3.67	6.7
10/21/2023	4.21	0.491 (U)	0.22 (U)	0.502		
3/28/2024						5.56
3/29/2024	2.5	0.463 (U)	0.446 (U)	0.274 (U)	2.98	
10/14/2024					2.22	4.83
10/16/2024	3.21	0.505 (U)	0.577 (U)	0.623		
4/2/2025	2.56		0.487	0.39 (U)		
4/3/2025		0.318 (U)				
4/8/2025					2.6	5.74

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				21.8		5.84
6/14/2018				20.9		6.37
7/24/2018				19.2		7.22
9/1/2018				17.5		5.46
10/1/2018				19.9		8.54
11/2/2018				17.4		6.02
12/7/2018				18.5		6.26
2/13/2019				19.2		6.67
3/16/2019			5.87			
3/27/2019			6.56			
4/3/2019			7.03			
4/15/2019			6.75			
5/2/2019			6.82			
5/14/2019			6.96			
5/28/2019			4.12			
6/12/2019			8.8			
8/8/2019			7.52	18.7		6.41
8/30/2019			7.98	16.5		5.45
3/16/2020			10.6	18.8		6.5
7/11/2020					0.179 (U)	
7/21/2020	3.28					
7/30/2020		2.38				
11/3/2020	1.39					
11/4/2020		1.53	8.99			
11/5/2020				15.3	0.158 (U)	5.33
3/8/2021	1.91	2.54	14.2	21.4	0.164 (U)	
3/9/2021						2.68
10/12/2021			12	20.6	-0.0129 (U)	
10/15/2021		1.83				
10/20/2021	1.49					
10/21/2021						5.6
4/4/2022			12.5			
4/5/2022				17.4	0.117 (U)	7.45
4/7/2022	1.49	1.88				
10/17/2022			14	19.1		
10/18/2022					1.7	6.3
10/19/2022	2.13	3.02				
3/8/2023			13.5	20.4	0.0718 (U)	5.77
3/10/2023	1.59	0.722 (U)				
10/18/2023	1.69	1.5				
10/19/2023			13.9	22.1	0.508	6.55
3/25/2024			14.7	19.9	0.851	6.85
3/28/2024	0.825	1.44				
10/14/2024	1.51	1.86				
10/16/2024			13.7	17.9	0.305 (U)	
10/17/2024						6.34
4/3/2025			13.9	17.7	-0.271 (U)	
4/4/2025						5.72
4/8/2025	1.27	2.23				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		2.4				
4/25/2018				3.67		
6/14/2018		2.5		4.18		
7/24/2018		3.01		4.95		
9/1/2018		2.3		4.44		
10/1/2018		3.49				
10/2/2018				4.79		
11/2/2018		1.94		4		
12/6/2018		2.68		5.01		
2/13/2019		2.05		4.53		
8/9/2019		2.09		3.81		
8/30/2019		1.24		2.82		
3/16/2020		1.71				
3/17/2020				4.23		
7/13/2020	0.857					
7/14/2020			9.33			0.591
7/30/2020					0.29 (UD)	
11/9/2020	0.501	2	6.03	3.42	0.381 (U)	
11/10/2020						0.113 (U)
3/9/2021	0.605	2.08	8.34	4.01	0.24 (U)	
3/10/2021						0.186 (U)
10/11/2021	1.6				0.194 (U)	
10/12/2021				3.74		
10/14/2021		2.56	8.45			1.24
4/5/2022	0.853		7.09			
4/6/2022		1.71		5.09	0.644	
4/7/2022						0.752
10/18/2022	1.07		8.32			
10/19/2022		1.61		4.24	0.259 (U)	0.7
3/8/2023	0.636	1.78	9.4			
3/9/2023				2.58	-0.134 (U)	0.833
10/19/2023	0.63	1.75	8.81			
10/20/2023				3.9	0.512 (U)	0.515
3/26/2024	0.794	1.66	8.72	5.3	1.09	
3/28/2024						1.01
10/17/2024	0.94	1.32	7.75	3.79	0.64 (U)	1.31
4/3/2025		1.38	7.59	2.98	-0.344 (U)	
4/4/2025	0.0669 (U)					1.2

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		5.8	3.26		6.49
6/13/2018					6.43
6/14/2018		5.94	3.41		
7/23/2018			4.02		6.82
7/24/2018		6.56			
9/6/2018		7.39	3.86		7.4
10/2/2018		8.19	4.63		7.43
11/1/2018			3.37		6.67
11/2/2018		5.87			
12/6/2018		6.64	3.92		6.92
2/13/2019		6.19	3.66		6.91
4/5/2019	2.85				
4/15/2019	3.24				
5/2/2019	3				
5/14/2019	3.2				
5/29/2019	2.88				
6/12/2019	3.04				
6/19/2019	3.59				
6/25/2019	3.61				
8/8/2019					6.71
8/9/2019	3.14	6.86	3.52		
8/30/2019	2.52	6.63	3.96		7.32
3/17/2020	3.16	5.37	3.43		7.36
7/13/2020				0.898	
11/9/2020			2.55		
11/10/2020		6.91		0.293 (U)	
11/20/2020	3.32				8.11
3/8/2021					9.26
3/9/2021	0.234 (U)	2.66	3.52	-0.149 (U)	
10/12/2021		7.77		1.07	8.92
10/20/2021	2.8				
10/21/2021			4.05		
4/6/2022		6.15	4.27	0.565	6.93
4/7/2022	3.12				
10/18/2022		9.51	5.83	1.12	9.03
10/19/2022	3.45				
3/9/2023	2.37	4.77	5.27	0.353 (U)	
3/13/2023					7.57
10/20/2023	2.85	7.61	5.63	0.891	8.1
3/26/2024	3.49	7.47		0.801	
3/28/2024			5.47		9.04
10/16/2024					8.2
10/17/2024	2.8	8.96	9.23	1.15	
3/31/2025	3.83				
4/3/2025			5.65		8.24
4/4/2025		6.58			
4/10/2025				0.123 (U)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.69					
6/13/2018	0.64					
7/23/2018	0.76					
9/1/2018	0.81					
10/2/2018	0.78					
11/1/2018	0.88					
12/6/2018	0.75					
2/13/2019	0.72					
3/16/2019			0.047 (J)	0.041 (J)		
3/27/2019			<0.2 (D)	0.49 (D)		
4/3/2019			<0.2 (D)	0.086 (JD)		
4/4/2019	0.63					
4/16/2019			0.034 (J)	0.055 (J)		
5/3/2019			0.042 (J)	0.058 (J)		
5/14/2019			0.039 (J)	0.071 (J)		
5/29/2019			<0.2	0.042 (J)		
6/12/2019			<0.2	0.037 (J)		
8/8/2019	0.58		0.051 (J)	0.072 (J)		
8/29/2019			0.061 (J)	0.065 (J)		
8/30/2019	0.5					
3/17/2020	0.38		<0.2	0.036 (J)		
7/13/2020		0.24				
7/21/2020					0.09 (J)	0.07 (J)
11/4/2020					0.24 (J)	<0.2
11/9/2020			<0.2			
11/20/2020	0.81	0.13 (J)		<0.2		
3/8/2021	0.66	0.23			0.17 (J)	<0.2
3/10/2021			0.056 (J)	0.052 (J)		
10/11/2021			0.041 (J)	0.079 (J)		
10/12/2021	0.66	0.22				
10/15/2021						0.19 (J)
10/20/2021					0.14 (J)	
4/4/2022			0.062 (J)	0.051 (J)		
4/5/2022	0.82	0.19 (J)				
4/7/2022					0.39 (J)	<0.2
10/17/2022			<0.2	<0.2		
10/18/2022	0.68	0.18 (J)				
10/19/2022					0.034 (J)	<0.2
3/7/2023			0.051 (J)			
3/10/2023					0.064 (J)	0.094 (J)
3/13/2023	0.87	0.19 (J)				
3/14/2023				0.045 (J)		
10/18/2023					0.11 (J)	0.076 (J)
10/21/2023	0.58	0.16 (J)	0.048 (J)	0.048 (J)		
3/28/2024						<0.2
3/29/2024	0.75	0.22	0.049 (J)	0.07 (J)	0.16 (J)	
10/14/2024					0.15 (J)	0.24 (J)
10/16/2024	0.66	0.21	0.066 (J)	0.071 (J)		
4/2/2025	<0.2		<0.2	<0.2		
4/3/2025		0.16 (J)				
4/8/2025					0.18 (J)	0.19 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.06 (J)		0.33
6/14/2018				0.06 (J)		0.37
7/24/2018				0.07 (J)		0.42
9/1/2018				0.08 (J)		0.45
10/1/2018				0.07 (J)		0.39
11/2/2018				0.08 (J)		0.42
12/7/2018				4.3 (o)		0.64
2/13/2019				0.05 (J)		0.35
3/16/2019			<0.2			
3/27/2019			<0.2			
4/3/2019			<0.2			
4/5/2019				0.14 (J)		0.7 (J)
4/15/2019			0.14 (J)			
5/2/2019			0.13 (J)			
5/14/2019			<0.2			
5/28/2019			0.16 (J)			
6/12/2019			<0.2			
8/8/2019			0.21 (J)	0.19 (J)		0.8 (J)
8/30/2019			0.21 (J)	0.17 (J)		<0.2
3/16/2020			<0.2	<0.2		<0.2
7/11/2020					0.24	
7/21/2020	0.17					
7/30/2020		0.19				
11/3/2020	<0.2					
11/4/2020		<0.2	<0.2			
11/5/2020				<0.2	0.15 (J)	<0.2
3/8/2021	0.41 (J)	0.28 (J)	<0.2	<0.2	0.2	
3/9/2021						0.87 (J)
10/12/2021			0.27 (J)	0.22 (J)	0.18 (J)	
10/15/2021		0.44 (J)				
10/20/2021	0.25 (J)					
10/21/2021						<0.2
4/4/2022			0.13 (J)			
4/5/2022				<0.2	0.21	<0.2
4/7/2022	0.25 (J)	0.54 (J)				
10/17/2022			<0.2	<0.2		
10/18/2022					0.14 (J)	0.32 (J)
10/19/2022	0.13 (J)	0.094 (J)				
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)
3/10/2023	0.19 (J)	0.18 (J)				
10/18/2023	0.12 (J)	0.15 (J)				
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)
3/28/2024	0.29 (J)	0.36 (J)				
10/14/2024	0.28 (J)	0.34 (J)				
10/16/2024			0.15 (J)	0.13 (J)	0.16 (J)	
10/17/2024						0.38 (J)
4/3/2025			<0.2	<0.2	0.14 (J)	
4/4/2025						<0.2
4/8/2025	0.19 (J)	0.17 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.52				
4/25/2018				0.09 (J)		
6/14/2018		0.51		0.09 (J)		
7/24/2018		0.52		0.09 (J)		
9/1/2018		0.54		0.1		
10/1/2018		0.54				
10/2/2018				0.09 (J)		
11/2/2018		0.58		0.11		
12/6/2018		0.51		1.4		
2/13/2019		0.48		0.07 (J)		
4/4/2019				<0.2		
4/5/2019		0.31 (J)				
8/9/2019		0.51		<0.2		
8/30/2019		0.54 (J)		<0.2		
3/16/2020		<0.2				
3/17/2020				<0.2		
7/13/2020	0.17					
7/14/2020			0.14			0.22
7/30/2020					0.17	
11/9/2020	0.18 (J)	<0.2	<0.2	<0.2	0.17 (J)	
11/10/2020						0.21
3/9/2021	0.18 (J)	0.55 (J)	<0.2	<0.2	0.17 (J)	
3/10/2021						0.18 (J)
10/11/2021	0.14 (J)				0.18 (J)	
10/12/2021				<0.2		
10/14/2021		0.5 (J)	<0.2			0.19 (J)
4/5/2022	0.13 (J)		<0.2			
4/6/2022		0.36 (J)		<0.2	0.27	
4/7/2022						0.2
10/18/2022	0.12 (J)		0.15 (J)			
10/19/2022		0.29		0.065 (J)	0.12 (J)	0.15 (J)
3/8/2023	0.14 (J)	0.25	0.074 (J)			
3/9/2023				0.12 (J)	0.077 (J)	0.08 (J)
10/19/2023	0.13 (J)	0.41	0.082 (J)			
10/20/2023				<0.2	0.13 (J)	0.15 (J)
3/26/2024	0.18 (J)	0.44 (J)	0.29 (J)	0.28 (J)	0.15 (J)	
3/28/2024						0.2
10/17/2024	0.15 (J)	0.37 (J)	0.3 (J)	0.27 (J)	0.15 (J)	0.17 (J)
4/3/2025		0.31 (J)	<0.2	<0.2	0.12 (J)	
4/4/2025	0.12 (J)					0.15 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.11	1		0.06 (J)
6/13/2018					0.06 (J)
6/14/2018		0.12	1		
7/23/2018			1		0.06 (J)
7/24/2018		0.12			
9/6/2018		0.13	1.1		0.06 (J)
10/2/2018		0.13	1		0.07 (J)
11/1/2018			1.1		0.07 (J)
11/2/2018		0.14			
12/6/2018		0.13	0.98		0.21
2/13/2019		0.1	0.98		0.07 (J)
4/4/2019		<0.2	0.58 (J)		<0.2
4/5/2019	<0.2 (D)				
4/15/2019	<0.2				
5/2/2019	<0.2				
5/14/2019	<0.2				
5/29/2019	<0.2				
6/12/2019	<0.2				
6/19/2019	<0.2				
6/25/2019	0.32 (J)				
8/8/2019					0.2 (J)
8/9/2019	<0.2	0.22 (J)	0.9 (J)		
8/30/2019	0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2	1.6	0.52 (J)		<0.2
7/13/2020				0.15	
11/9/2020			0.74 (J)		
11/10/2020		<0.2		0.22	
11/20/2020	<0.2				<0.2
3/8/2021					<0.2
3/9/2021	<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
10/12/2021		<0.2		0.15 (J)	<0.2
10/20/2021	0.29 (J)				
10/21/2021			1 (J)		
4/6/2022		1.2 (J)	16 (o)	0.14 (J)	0.82 (J)
4/7/2022	6.4 (o)				
10/18/2022		0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.22				
3/9/2023	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023					0.081 (J)
10/20/2023	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
3/26/2024	<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.97 (J)		0.13 (J)
10/16/2024					0.14 (J)
10/17/2024	0.14 (J)	0.17 (J)	0.82 (J)	0.096 (J)	
3/31/2025	<0.2				
4/3/2025			0.47 (J)		<0.2
4/4/2025		<0.2			
4/10/2025				0.12 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	0.0011 (J)					
12/6/2018	0.0006 (J)					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	<0.001		<0.001	<0.001		
8/29/2019			<0.001	0.00017 (J)		
8/30/2019	<0.001					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		0.00116 (J)				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	0.00089 (J)		<0.001		
3/8/2021	0.00016 (J)	0.00086 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	0.00063 (J)				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			0.00063 (J)	<0.001		
4/5/2022	0.00019 (J)	0.00058 (J)				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	0.00045 (J)				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	0.0003 (J)	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
10/14/2024					<0.001	<0.001
10/16/2024	<0.001	<0.001	<0.001	<0.001		
4/2/2025	<0.001		<0.001	<0.001		
4/3/2025		<0.001				
4/8/2025					<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		<0.001
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		0.00048 (J)
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	<0.001		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					0.000555 (J)	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	<0.001			
11/5/2020				<0.001	0.00024 (J)	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	0.00016 (J)	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	0.0002 (J)	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				0.00022 (J)	0.00045 (J)	0.00043 (J)
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				
10/14/2024	<0.001	<0.001				
10/16/2024			<0.001	<0.001	<0.001	
10/17/2024						<0.001
4/3/2025			0.0012 (J)	<0.001	<0.001	
4/4/2025						<0.001
4/8/2025	<0.001	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		0.00062 (J)		0.0011 (J)		
12/6/2018		<0.001		0.00041 (J)		
2/13/2019		<0.001		0.00036 (J)		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					0.00203	
11/9/2020	<0.001	<0.001	<0.001	<0.001	0.00099 (J)	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	0.00026 (J)	
3/10/2021						<0.001
10/11/2021	<0.001				0.00019 (J)	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		0.00029 (J)			
4/6/2022		<0.001		<0.001	0.00026 (J)	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	0.00018 (J)	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	0.0003 (J)	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/3/2025		<0.001	<0.001	<0.001	<0.001	
4/4/2025	<0.001					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			0.0016		<0.001
11/2/2018		0.0019			
12/6/2018		<0.001	0.0013		0.00039 (J)
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001		
8/30/2019	0.00032 (J)	<0.001	<0.001		<0.001
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	0.00075 (J)	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001
10/16/2024					<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	
3/31/2025	0.00035 (J)				
4/3/2025			<0.001		<0.001
4/4/2025		<0.001			
4/10/2025				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.021					
6/13/2018	0.013					
7/23/2018	0.015					
9/1/2018	0.015					
10/2/2018	0.017					
11/1/2018	0.038					
12/6/2018	0.011					
2/13/2019	0.012					
3/16/2019			0.0088	0.012		
3/27/2019			0.01 (D)	0.012 (D)		
4/3/2019			0.0068 (D)	0.013 (D)		
4/16/2019			0.0081	0.012		
5/3/2019			0.01	0.015		
5/14/2019			0.011	0.015		
5/29/2019			0.0062	0.015		
6/12/2019			0.0099	0.013		
8/8/2019	0.018		0.012	0.016		
8/29/2019			0.0067	0.011		
8/30/2019	0.01					
3/17/2020	0.017		0.014	0.017		
7/13/2020		0.0136				
7/21/2020					0.00196 (J)	<0.005
11/4/2020					0.016	<0.005
11/9/2020			0.011			
11/20/2020	0.013	0.011		0.015		
3/8/2021	0.01	0.022			0.0042 (J)	<0.005
3/10/2021			0.012	0.017		
10/11/2021			0.0089	0.015		
10/12/2021	0.0056	0.019				
10/15/2021						<0.005
10/20/2021					0.0038 (J)	
4/4/2022			0.011	0.018		
4/5/2022	0.012	0.012				
4/7/2022					0.0045 (J)	0.0044 (J)
10/17/2022			0.01	0.017		
10/18/2022	0.01	0.012				
10/19/2022					0.0029 (J)	0.0015 (J)
3/7/2023			0.011			
3/10/2023					0.005	0.0069
3/13/2023	0.01	<0.005				
3/14/2023				0.019		
10/18/2023					0.0021 (J)	<0.005
10/21/2023	0.013 (J)	0.012 (J)	0.01 (J)	0.017 (J)		
3/28/2024						0.0022 (J)
3/29/2024	0.0083	0.012	0.01	0.015	0.0037 (J)	
10/14/2024					0.012 (J)	0.012 (J)
10/16/2024	0.008 (J)	0.012 (J)	0.021 (J)	0.027		
4/2/2025	0.0042 (J)		0.0056 (J)	0.011 (J)		
4/3/2025		0.0082 (J)				
4/8/2025					0.014 (J)	0.015 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.029		0.11
6/14/2018				0.023		0.073
7/24/2018				0.023		0.079
9/1/2018				0.022		0.088
10/1/2018				0.026		0.091
11/2/2018				0.024 (J)		0.081
12/7/2018				0.022		0.072
2/13/2019				0.02		0.071
3/16/2019			0.013			
3/27/2019			0.014			
4/3/2019			0.01			
4/15/2019			0.012			
5/2/2019			0.013			
5/14/2019			0.011			
5/28/2019			<0.005			
6/12/2019			0.012			
8/8/2019			0.012	0.031		0.076
8/30/2019			0.011	0.022		0.072
3/16/2020			0.013	0.03		0.07
7/11/2020					0.0103	
7/21/2020	0.00623					
7/30/2020		0.00523				
11/3/2020	0.03					
11/4/2020		0.029	0.014			
11/5/2020				0.031	0.01	0.07
3/8/2021	0.008	0.0086	0.013	0.03	0.0091	
3/9/2021						0.075
10/12/2021			0.014	0.028	0.0079	
10/15/2021		0.009				
10/20/2021	0.0091 (D)					
10/21/2021						0.0665 (D)
4/4/2022			0.023 (J)			
4/5/2022				0.037	0.01	0.081
4/7/2022	0.0084	0.0097				
10/17/2022			0.016	0.032		
10/18/2022					0.011	0.056
10/19/2022	0.0077	0.0082				
3/8/2023			0.019	0.036	0.011	0.077
3/10/2023	0.014	0.0093				
10/18/2023	0.0082 (J)	0.0081 (J)				
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072
3/25/2024			0.017	0.037	0.0096	0.076
3/28/2024	0.0091	0.0077				
10/14/2024	0.019 (J)	0.016 (J)				
10/16/2024			0.029	0.039	0.009 (J)	
10/17/2024						0.067
4/3/2025			0.013 (J)	0.031	0.0064 (J)	
4/4/2025						0.095
4/8/2025	0.027	0.013 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.079				
4/25/2018				0.069		
6/14/2018		0.055		0.046		
7/24/2018		0.057		0.049		
9/1/2018		0.054		0.045		
10/1/2018		0.063				
10/2/2018				0.052		
11/2/2018		0.077		0.074		
12/6/2018		0.054		0.044		
2/13/2019		0.053		0.045		
8/9/2019		0.061		0.049		
8/30/2019		0.052		0.044		
3/16/2020		0.053				
3/17/2020				0.044		
7/13/2020	0.00778					
7/14/2020			0.0522			0.00696
7/30/2020					0.00791	
11/9/2020	0.006	0.049	0.043	0.044	0.0076	
11/10/2020						0.0063
3/9/2021	0.0098	0.051	0.044	0.048	0.0099	
3/10/2021						0.0059
10/11/2021	0.02				0.0075	
10/12/2021				0.039		
10/14/2021		0.052	0.11			0.0061
4/5/2022	0.014		0.073			
4/6/2022		0.046		0.046	0.0088	
4/7/2022						0.011
10/18/2022	0.016		0.068			
10/19/2022		0.049		0.035	0.0077	0.0069
3/8/2023	0.012	0.041	0.072			
3/9/2023				0.04	0.0085	0.01
10/19/2023	0.012 (J)	0.039	0.074			
10/20/2023				0.039	0.0064 (J)	0.0079 (J)
3/26/2024	0.014	0.042	0.072	0.036	0.0076	
3/28/2024						0.012
10/17/2024	0.021 (J)	0.056	0.065	0.048	0.0062 (J)	0.022 (J)
4/3/2025		0.033	0.056	0.026	0.0048 (J)	
4/4/2025	0.011 (J)					0.009 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.004 (J)	0.13		0.0039 (J)
6/13/2018					0.0027 (J)
6/14/2018		0.0026 (J)	0.085		
7/23/2018			0.09		0.0041 (J)
7/24/2018		0.003 (J)			
9/6/2018		0.0029 (J)	0.099		0.0035 (J)
10/2/2018		0.0021 (J)	0.095		0.004 (J)
11/1/2018			0.16		0.018
11/2/2018		0.014			
12/6/2018		<0.005	0.082		<0.005
2/13/2019		0.0018 (J)	0.08		0.0026 (J)
4/5/2019	0.051 (D)				
4/15/2019	0.054				
5/2/2019	0.055				
5/14/2019	0.047				
5/29/2019	0.055				
6/12/2019	0.062				
6/19/2019	0.059				
6/25/2019	0.052				
8/8/2019					0.0053
8/9/2019	0.063	<0.005	0.086		
8/30/2019	0.059	<0.005	0.068		<0.005
3/17/2020	0.056	0.0071	0.08		0.0077
7/13/2020				<0.005	
11/9/2020			0.08		
11/10/2020		0.0048 (J)		0.0044 (J)	
11/20/2020	0.055				0.0035 (J)
3/8/2021					0.0045 (J)
3/9/2021	0.057	0.004 (J)	0.073	0.005	
10/12/2021		0.0036 (J)		<0.005	<0.005
10/20/2021	0.0535 (D)				
10/21/2021			0.0735 (D)		
4/6/2022		0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022	0.057				
10/18/2022		0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.05				
3/9/2023	0.054	0.0071	0.067	0.0071	
3/13/2023					0.0053
10/20/2023	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
3/26/2024	0.058	0.0058		0.0049 (J)	
3/28/2024			0.076		0.0031 (J)
10/16/2024					0.0023 (J)
10/17/2024	0.054	0.004 (J)	0.065	0.013 (J)	
3/31/2025	0.057				
4/3/2025			0.048		<0.005
4/4/2025		0.023 (J)			
4/10/2025				0.01 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0002					
6/13/2018	<0.0002					
7/23/2018	<0.0002					
9/1/2018	8.5E-05 (J)					
10/2/2018	<0.0002					
11/1/2018	<0.0002					
12/6/2018	<0.0002					
2/13/2019	<0.0002					
3/16/2019			<0.0002	9.7E-05 (J)		
3/27/2019			<0.0002 (D)	<0.0002 (D)		
4/3/2019			<0.0002 (D)	<0.0002 (D)		
4/16/2019			<0.0002	<0.0002		
5/3/2019			<0.0002	<0.0002		
5/14/2019			7.1E-05 (J)	<0.0002		
5/29/2019			<0.0002	<0.0002		
6/12/2019			<0.0002	<0.0002		
8/8/2019	<0.0002		<0.0002	<0.0002		
7/13/2020		<0.0002				
7/21/2020					<0.0002	<0.0002
11/4/2020					<0.0002	<0.0002
11/9/2020			<0.0002			
11/20/2020	<0.0002	<0.0002		<0.0002		
3/8/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/10/2021			<0.0002	<0.0002		
10/11/2021			<0.0002	<0.0002		
10/12/2021	<0.0002	<0.0002				
10/15/2021						<0.0002
10/20/2021					<0.0002	
4/4/2022			<0.0002	<0.0002		
4/5/2022	<0.0002	<0.0002				
4/7/2022					<0.0002	<0.0002
10/17/2022			<0.0002	<0.0002		
10/18/2022	<0.0002	<0.0002				
10/19/2022					<0.0002	<0.0002
3/7/2023			<0.0002			
3/10/2023					<0.0002	<0.0002
3/13/2023	<0.0002	<0.0002				
3/14/2023				<0.0002		
10/18/2023					<0.0002	<0.0002
10/21/2023	<0.0002	<0.0002	<0.0002	<0.0002		
3/28/2024						<0.0002
3/29/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/14/2024					<0.0002	<0.0002
10/16/2024	<0.0002	<0.0002	<0.0002	<0.0002		
4/2/2025	<0.0002		<0.0002	<0.0002		
4/3/2025		<0.0002				
4/8/2025					<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0002		<0.0002
6/14/2018				<0.0002		<0.0002
7/24/2018				<0.0002		<0.0002
9/1/2018				<0.0002		<0.0002
10/1/2018				<0.0002		<0.0002
11/2/2018				<0.0002		<0.0002
12/7/2018				<0.0002		<0.0002
2/13/2019				<0.0002		<0.0002
3/16/2019			<0.0002			
3/27/2019			<0.0002			
4/3/2019			<0.0002			
4/15/2019			0.00015 (J)			
5/2/2019			<0.0002			
5/14/2019			<0.0002			
5/28/2019			<0.0002			
6/12/2019			<0.0002			
8/8/2019			<0.0002	<0.0002		<0.0002
7/11/2020					<0.0002	
7/21/2020	<0.0002					
7/30/2020		<0.0002				
11/3/2020	<0.0002					
11/4/2020		<0.0002	<0.0002			
11/5/2020				<0.0002	<0.0002	<0.0002
3/8/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/9/2021						<0.0002
10/12/2021			<0.0002	<0.0002	<0.0002	
10/15/2021		<0.0002				
10/20/2021	<0.0002					
10/21/2021						<0.0002
4/4/2022			<0.0002			
4/5/2022				<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002	<0.0002				
10/17/2022			<0.0002	<0.0002		
10/18/2022					<0.0002	<0.0002
10/19/2022	<0.0002	<0.0002				
3/8/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/10/2023	<0.0002	<0.0002				
10/18/2023	<0.0002	<0.0002				
10/19/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/25/2024			<0.0002	<0.0002	<0.0002	<0.0002
3/28/2024	<0.0002	<0.0002				
10/14/2024	<0.0002	<0.0002				
10/16/2024			<0.0002	<0.0002	<0.0002	
10/17/2024						<0.0002
4/3/2025			<0.0002	<0.0002	<0.0002	
4/4/2025						<0.0002
4/8/2025	<0.0002	<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0002				
4/25/2018				<0.0002		
6/14/2018		<0.0002		<0.0002		
7/24/2018		<0.0002		<0.0002		
9/1/2018		<0.0002		9.3E-05 (J)		
10/1/2018		<0.0002				
10/2/2018				<0.0002		
11/2/2018		<0.0002		<0.0002		
12/6/2018		<0.0002		<0.0002		
2/13/2019		<0.0002		<0.0002		
8/9/2019		<0.0002		<0.0002		
7/13/2020	<0.0002					
7/14/2020			<0.0002			<0.0002
7/30/2020					<0.0002	
11/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2020						<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/10/2021						<0.0002
10/11/2021	<0.0002				<0.0002	
10/12/2021				<0.0002		
10/14/2021		<0.0002	<0.0002			<0.0002
4/5/2022	<0.0002		<0.0002			
4/6/2022		<0.0002		<0.0002	<0.0002	
4/7/2022						<0.0002
10/18/2022	<0.0002		<0.0002			
10/19/2022		<0.0002		<0.0002	<0.0002	<0.0002
3/8/2023	<0.0002	<0.0002	<0.0002			
3/9/2023				<0.0002	<0.0002	<0.0002
10/19/2023	<0.0002	<0.0002	<0.0002			
10/20/2023				<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2024						<0.0002
10/17/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/3/2025		<0.0002	<0.0002	<0.0002	<0.0002	
4/4/2025	<0.0002					<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0002	<0.0002		<0.0002
6/13/2018					<0.0002
6/14/2018		<0.0002	<0.0002		
7/23/2018			<0.0002		<0.0002
7/24/2018		<0.0002			
9/6/2018		9E-05 (J)	7.7E-05 (J)		0.00035
10/2/2018		<0.0002	<0.0002		<0.0002
11/1/2018			<0.0002		<0.0002
11/2/2018		<0.0002			
12/6/2018		<0.0002	<0.0002		<0.0002
2/13/2019		<0.0002	<0.0002		<0.0002
4/5/2019	<0.0002 (D)				
4/15/2019	<0.0002				
5/2/2019	<0.0002				
5/14/2019	<0.0002				
5/29/2019	<0.0002				
6/12/2019	<0.0002				
6/19/2019	<0.0002				
6/25/2019	<0.0002				
8/8/2019					<0.0002
8/9/2019	<0.0002	<0.0002	<0.0002		
7/13/2020				<0.0002	
11/9/2020			<0.0002		
11/10/2020		<0.0002		<0.0002	
11/20/2020	<0.0002				<0.0002
3/8/2021					<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	
10/12/2021		<0.0002		<0.0002	<0.0002
10/20/2021	<0.0002				
10/21/2021			<0.0002		
4/6/2022		<0.0002	<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002				
10/18/2022		<0.0002	<0.0002	<0.0002	<0.0002
10/19/2022	<0.0002				
3/9/2023	<0.0002	<0.0002	<0.0002	<0.0002	
3/13/2023					<0.0002
10/20/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002		<0.0002	
3/28/2024			<0.0002		<0.0002
10/16/2024					<0.0002
10/17/2024	<0.0002	<0.0002	<0.0002	<0.0002	
3/31/2025	<0.0002				
4/3/2025			<0.0002		<0.0002
4/4/2025		<0.0002			
4/10/2025				<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.11					
6/13/2018	0.09					
7/23/2018	0.11					
9/1/2018	0.11					
10/2/2018	0.1					
11/1/2018	0.11					
12/6/2018	0.1					
2/13/2019	0.085					
3/16/2019			<0.015	<0.015		
3/27/2019			<0.015 (D)	<0.015 (D)		
4/3/2019			<0.015 (D)	<0.015 (D)		
4/16/2019			<0.015	<0.015		
5/3/2019			<0.015	<0.015		
5/14/2019			<0.015	<0.015		
5/29/2019			<0.015	<0.015		
6/12/2019			<0.015	<0.015		
8/8/2019	0.11		<0.015	<0.015		
8/29/2019			<0.015	<0.015		
8/30/2019	0.078					
3/17/2020	0.081		<0.015	<0.015		
7/13/2020		0.00884 (J)				
7/21/2020					<0.015	<0.015
11/4/2020					<0.015	<0.015
11/9/2020			<0.015			
11/20/2020	0.059	0.017		<0.015		
3/8/2021	0.055	0.0096 (J)			<0.015	<0.015
3/10/2021			<0.015	<0.015		
10/11/2021			<0.015	<0.015		
10/12/2021	0.033	0.0099 (J)				
10/15/2021						<0.015
10/20/2021					<0.015	
4/4/2022			<0.015	<0.015		
4/5/2022	0.043	0.0058 (J)				
4/7/2022					<0.015	<0.015
10/17/2022			<0.015	<0.015		
10/18/2022	0.03	0.0033 (J)				
10/19/2022					<0.015	<0.015
3/7/2023			<0.015			
3/10/2023					<0.015	<0.015
3/13/2023	0.033	<0.015				
3/14/2023				<0.015		
10/18/2023					<0.015	<0.015
10/21/2023	0.037 (J)	0.0031 (J)	<0.015	<0.015		
3/28/2024						<0.015
3/29/2024	0.027	0.0027 (J)	<0.015	<0.015	<0.015	
10/14/2024					<0.015	<0.015
10/16/2024	0.023 (J)	0.0027 (J)	<0.015	<0.015		
4/2/2025	0.022 (J)		<0.015	<0.015		
4/3/2025		0.0026 (J)				
4/8/2025					<0.015	<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.015		0.073
6/14/2018				<0.015		0.068
7/24/2018				<0.015		0.065
9/1/2018				<0.015		0.05
10/1/2018				<0.015		0.061
11/2/2018				<0.015		0.062
12/7/2018				<0.015		0.062
2/13/2019				<0.015		0.061
3/16/2019			<0.015			
3/27/2019			<0.015			
4/3/2019			<0.015			
4/15/2019			<0.015			
5/2/2019			<0.015			
5/14/2019			<0.015			
5/28/2019			<0.015			
6/12/2019			<0.015			
8/8/2019			<0.015	0.00079 (J)		0.073
8/30/2019			<0.015	<0.015		0.065
3/16/2020			<0.015	<0.015		0.072
7/11/2020					0.00558 (J)	
7/21/2020	<0.015					
7/30/2020		<0.015				
11/3/2020	0.00082 (J)					
11/4/2020		0.0009 (J)	<0.015			
11/5/2020				<0.015	0.0038 (J)	0.067
3/8/2021	<0.015	<0.015	<0.015	<0.015	0.0018 (J)	
3/9/2021						0.076
10/12/2021			<0.015	<0.015	0.0011 (J)	
10/15/2021		<0.015				
10/20/2021	<0.015 (D)					
10/21/2021						0.0705 (D)
4/4/2022			<0.015			
4/5/2022				<0.015	0.0011 (J)	0.071
4/7/2022	<0.015	<0.015				
10/17/2022			<0.015	<0.015		
10/18/2022					0.0016 (J)	0.05
10/19/2022	<0.015	<0.015				
3/8/2023			<0.015	<0.015	0.0011 (J)	0.064
3/10/2023	<0.015	<0.015				
10/18/2023	<0.015	<0.015				
10/19/2023			<0.015	<0.015	0.0013 (J)	0.076
3/25/2024			<0.015	<0.015	0.00099 (J)	0.055
3/28/2024	<0.015	<0.015				
10/14/2024	<0.015	<0.015				
10/16/2024			<0.015	<0.015	0.0012 (J)	
10/17/2024						0.049 (J)
4/3/2025			<0.015	<0.015	0.0011 (J)	
4/4/2025						0.052 (J)
4/8/2025	<0.015	<0.015				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.011 (J)				
4/25/2018				0.056		
6/14/2018		0.0083 (J)		0.048		
7/24/2018		0.0075 (J)		0.078		
9/1/2018		0.0082 (J)		0.081		
10/1/2018		0.0088 (J)				
10/2/2018				0.07		
11/2/2018		0.0083 (J)		0.1		
12/6/2018		0.0093 (J)		0.069		
2/13/2019		0.0093 (J)		0.1		
8/9/2019		0.012		0.15		
8/30/2019		0.011		0.088		
3/16/2020		0.01				
3/17/2020				0.079		
7/13/2020	<0.015					
7/14/2020			0.257			<0.015
7/30/2020					<0.015	
11/9/2020	0.0022 (J)	0.0084 (J)	0.35	0.11	0.0012 (J)	
11/10/2020						0.00081 (J)
3/9/2021	0.0012 (J)	0.0059 (J)	0.37	0.072	0.00091 (J)	
3/10/2021						0.0011 (J)
10/11/2021	<0.015				0.0008 (J)	
10/12/2021				0.074		
10/14/2021		0.0042 (J)	0.23			0.0012 (J)
4/5/2022	0.0007 (J)		0.25			
4/6/2022		0.005 (J)		0.074	0.00078 (J)	
4/7/2022						0.00098 (J)
10/18/2022	0.00072 (J)		0.18			
10/19/2022		0.0043 (J)		0.039	0.0014 (J)	0.0019 (J)
3/8/2023	0.00074 (J)	0.0042 (J)	0.2			
3/9/2023				0.15	0.00085 (J)	0.0017 (J)
10/19/2023	0.00096 (J)	0.0047 (J)	0.18			
10/20/2023				0.18	0.0012 (J)	0.0023 (J)
3/26/2024	0.00078 (J)	0.0029 (J)	0.16	0.17	0.0011 (J)	
3/28/2024						0.0023 (J)
10/17/2024	<0.015	0.0031 (J)	0.16	0.23	0.0012 (J)	0.0029 (J)
4/3/2025		0.0025 (J)	0.15	0.21	0.0011 (J)	
4/4/2025	0.00093 (J)					0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00096 (J)	0.18		<0.015
6/13/2018					<0.015
6/14/2018		0.0062 (J)	0.17		
7/23/2018			0.17		<0.015
7/24/2018		0.0063 (J)			
9/6/2018		<0.015	0.15		<0.015
10/2/2018		<0.015	0.15		0.0009 (J)
11/1/2018			0.16		<0.015
11/2/2018		0.0066 (J)			
12/6/2018		0.0062 (J)	0.14		<0.015
2/13/2019		0.0047 (J)	0.13		<0.015
4/5/2019	0.41 (D)				
4/15/2019	0.4				
5/2/2019	0.3				
5/14/2019	0.36				
5/29/2019	0.4				
6/12/2019	0.34				
6/19/2019	0.41				
6/25/2019	0.37				
8/8/2019					<0.015
8/9/2019	0.48	<0.015	0.12		
8/30/2019	0.42	<0.015	0.11		0.00093 (J)
3/17/2020	0.47	<0.015	0.094		<0.015
7/13/2020				<0.015	
11/9/2020			0.072		
11/10/2020		<0.015		0.00067 (J)	
11/20/2020	0.42				<0.015
3/8/2021					<0.015
3/9/2021	0.48	<0.015	0.069	<0.015	
10/12/2021		<0.015		<0.015	<0.015
10/20/2021	0.45 (D)				
10/21/2021			0.056 (D)		
4/6/2022		<0.015	0.053	0.0011 (J)	<0.015
4/7/2022	0.5				
10/18/2022		<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.44				
3/9/2023	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023					<0.015
10/20/2023	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
3/26/2024	0.7	<0.015		0.00086 (J)	
3/28/2024			0.14		<0.015
10/16/2024					0.0011 (J)
10/17/2024	1.2	<0.015	0.21	0.0012 (J)	
3/31/2025	0.099				
4/3/2025			0.21		<0.015
4/4/2025		<0.015			
4/10/2025				0.00088 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	6.7					
6/13/2018	6.64					
7/23/2018	6.76					
9/1/2018	6.9					
10/2/2018	6.77					
11/1/2018	6.89					
12/6/2018	6.89					
2/13/2019	6.81					
3/16/2019			6.97	6.44		
3/27/2019			6.7	6.38		
4/3/2019			6.45	6.19		
4/4/2019	6.74					
4/16/2019			6.52	6.3		
5/3/2019			6.37	6.33		
5/14/2019			6.57	6.64		
5/29/2019			6.31	6.6		
6/12/2019			6.41	6.31		
8/8/2019	6.84		6.29	6.12		
8/29/2019			6.2	6.24		
8/30/2019	7.09					
3/17/2020	6.93		6.2	6.2		
7/13/2020		8.94				
7/21/2020					6.01	6.08
11/4/2020					6.01	6.03
11/9/2020			6.21			
11/20/2020	6.94	8.86		6.31		
3/8/2021	7.61	9.38			5.97	5.99
3/10/2021			6.29			
10/11/2021			6.13	6.08		
10/12/2021	6.75	8.92				
10/15/2021						5.97
10/20/2021					5.89	
4/4/2022			5.97	6		
4/5/2022	7.17	9.04				
4/7/2022					6.07	6.07
10/17/2022			6.19	6.12		
10/18/2022	6.98	8.95				
10/19/2022					6.08	6.07
3/7/2023			6.17			
3/10/2023					6	6
3/13/2023	6.97	8.95				
3/14/2023				6.11		
10/18/2023					6.07	6.16
10/21/2023	7.06	8.89	6.26	6.22		
3/28/2024						6.06
3/29/2024	6.83	8.91	6.11	6.11	6.01	
10/14/2024					6.25	6.05
10/16/2024	6.98	8.86	6.98	6.29		
4/2/2025	6.84		6.29	6.32		
4/3/2025		8.7				
4/8/2025					6.17	6.08

Time Series

Constituent: pH (SU) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				5.89		6.46
6/14/2018				5.96		6.5
7/24/2018				6.03		6.6
9/1/2018				6.23		6.74
10/1/2018				5.94		6.51
11/2/2018				5.98		6.55
12/7/2018				5.98		6.55
2/13/2019				6.09		6.69
3/16/2019			6.67			
3/27/2019			6.59			
4/3/2019			6.56			
4/5/2019				6.03		6.7
4/15/2019			6.68			
5/2/2019			6.78			
5/14/2019			6.7			
5/28/2019			6.56			
6/12/2019			6.69			
8/8/2019			6.68	6.03		6.7
8/30/2019			6.72	6.1		6.75
3/16/2020			6.51	5.91		6.61
7/11/2020					7.84	
7/21/2020	6.51					
7/30/2020		6.48				
11/3/2020	6.51					
11/4/2020		6.58	6.45			
11/5/2020				5.92	7.79	6.58
3/8/2021	6.41	6.48	6.4	5.97		
3/9/2021						6.48
10/12/2021			6.43	5.89	7.57	
10/15/2021		6.55				
10/20/2021	6.54					
10/21/2021						6.54
4/4/2022			6.34			
4/5/2022				5.46	7.2	6.45
4/7/2022	6.53	6.55				
10/17/2022			6.27	5.87		
10/18/2022					7.56	6.61
10/19/2022	6.58	6.64				
3/8/2023			6.23	5.88	7.13	6.53
3/10/2023	6.48	6.5				
10/18/2023	6.48	6.51				
10/19/2023			6.23	5.93	7.57	6.72
3/25/2024			6.34	5.86	7.48	6.55
3/28/2024	6.37	6.41				
10/14/2024	6.02	6.54				
10/16/2024			6.17	5.84	7.64	
10/17/2024						6.59
4/3/2025			6.36	5.97	7.62	
4/4/2025						6.49
4/8/2025	6.63	6.6				

Time Series

Constituent: pH (SU) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		6.31				
4/25/2018				6.04		
6/14/2018		6.28		6.29		
7/24/2018		6.34		6.35		
9/1/2018		6.33		6.38		
10/1/2018		6.36				
10/2/2018				6.47		
11/2/2018		6.43		6.42		
12/6/2018		6.43		6.42		
2/13/2019		6.48		6.42		
4/4/2019				6.35		
4/5/2019		6.33				
8/9/2019		6.69		6.42		
8/30/2019		6.68		6.47		
3/16/2020		6.71				
3/17/2020				6.32		
7/13/2020	6.88					
7/14/2020			6.89			7.07
7/30/2020					6.67	
11/9/2020	6.86	6.37	6.89	6.37	6.71	
3/9/2021	7.02	6.27	6.83	6.32	6.62	
3/10/2021						6.81
10/11/2021	6.76				6.61	
10/12/2021				6.55		
10/14/2021		6.41	6.67			6.76
4/5/2022	7.01		6.58			
4/6/2022		6.37		6.16	6.65	
4/7/2022						6.69
10/18/2022	6.97		6.93			
10/19/2022		6.32		6.38	6.94	7.2
3/8/2023	6.44	6.26	6.71			
3/9/2023				6.28	6.53	6.92
10/19/2023	7	6.22	6.65			
10/20/2023				6.36	6.7	6.93
3/26/2024	6.61	6.33	6.76	6.34	6.78	
3/28/2024						6.99
10/17/2024	6.93	6.24	6.66	6.36	6.72	6.95
4/3/2025		6.31	6.69	6.33	6.63	
4/4/2025	6.84					6.86

Time Series

Constituent: pH (SU) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		6.31	6.69		6.19
6/13/2018					6.18
6/14/2018		6.25	6.66		
7/23/2018			6.7		6.19
7/24/2018		6.34			
9/6/2018		6.29	6.66		6.13
10/2/2018		6.28	6.63		6.13
11/1/2018			6.75		6.25
11/2/2018		6.4			
12/6/2018		6.4	6.75		6.25
2/13/2019		6.37	6.7		6.24
4/4/2019		6.33	6.72		6.17
4/5/2019	6.12				
4/15/2019	6.14				
5/2/2019	6.19				
5/14/2019	6.12				
5/29/2019	6.11				
6/12/2019	6.09				
6/19/2019	6.1				
6/25/2019	6.18				
8/8/2019					6.23
8/9/2019	6.03	6.34	6.74		
8/30/2019	5.92	6.31	6.68		6.1
3/17/2020	5.97	6.57	6.69		
7/13/2020				6.77	
11/9/2020			6.74		
11/10/2020		6.37		7.06	
11/20/2020	6.09				6.23
3/8/2021					7
3/9/2021	6.13	6.39	6.74	7.1	
10/12/2021		6.51		6.95	6.16
10/20/2021	5.94				
10/21/2021			6.74		
4/6/2022		6.38	6.74	6.73	6.13
4/7/2022	5.91				
10/18/2022		6.43	6.67	6.7	6.32
10/19/2022	6.1				
3/9/2023	6.04	6.37	6.5	6.49	
3/13/2023					6.22
10/20/2023	6.15	6.28	6.61	6.54	6.23
3/26/2024	6.12	6.42		6.73	
3/28/2024			6.78		6.3
10/16/2024					6.47
10/17/2024	6.23	6.51	6.67	6.58	
3/31/2025	5.48				
4/3/2025			6.69		6.32
4/4/2025		6.35			
4/10/2025				6.67	

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.00061 (J)					
6/13/2018	0.00034 (J)					
7/23/2018	0.00035 (J)					
9/1/2018	<0.005					
10/2/2018	<0.005					
11/1/2018	<0.005					
12/6/2018	<0.005					
2/13/2019	<0.005					
3/16/2019			<0.005	<0.005		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	<0.005 (D)		
4/16/2019			<0.005	<0.005		
5/3/2019			<0.005	<0.005		
5/14/2019			<0.005	<0.005		
5/29/2019			<0.005	<0.005		
6/12/2019			<0.005	<0.005		
8/8/2019	<0.005		<0.005	<0.005		
8/29/2019			<0.005	<0.005		
8/30/2019	<0.005					
3/17/2020	<0.005		<0.005	<0.005		
7/13/2020		<0.005				
7/21/2020					<0.005	<0.005
11/4/2020					<0.005	<0.005
11/9/2020			<0.005			
11/20/2020	<0.005	<0.005		<0.005		
3/8/2021	<0.005	<0.005			<0.005	<0.005
3/10/2021			<0.005	<0.005		
10/11/2021			<0.005	<0.005		
10/12/2021	<0.005	<0.005				
10/15/2021						<0.005
10/20/2021					<0.005	
4/4/2022			<0.005	<0.005		
4/5/2022	<0.005	<0.005				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	<0.005		
10/18/2022	<0.005	<0.005				
10/19/2022					<0.005	<0.005
3/7/2023			<0.005			
3/10/2023					<0.005	<0.005
3/13/2023	<0.005	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	<0.005	<0.005	<0.005	<0.005		
3/28/2024						<0.005
3/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
10/14/2024					<0.005	<0.005
10/16/2024	<0.005	<0.005	<0.005	<0.005		
4/2/2025	<0.005		<0.005	<0.005		
4/3/2025		<0.005				
4/8/2025					<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.005		0.0016
6/14/2018				0.00061 (J)		0.0019
7/24/2018				0.00037 (J)		0.00087 (J)
9/1/2018				<0.005		0.001 (J)
10/1/2018				<0.005		<0.005
11/2/2018				0.00072 (J)		0.001 (J)
12/7/2018				<0.005		0.0011 (J)
2/13/2019				<0.005		<0.005
3/16/2019			<0.005			
3/27/2019			<0.005			
4/3/2019			<0.005			
4/15/2019			<0.005			
5/2/2019			<0.005			
5/14/2019			<0.005			
5/28/2019			<0.005			
6/12/2019			<0.005			
8/8/2019			<0.005	<0.005		0.0017 (J)
8/30/2019			<0.005	<0.005		<0.005
3/16/2020			<0.005	<0.005		<0.005
7/11/2020					<0.005	
7/21/2020	<0.005					
7/30/2020		<0.005				
11/3/2020	<0.005					
11/4/2020		<0.005	<0.005			
11/5/2020				<0.005	<0.005	<0.005
3/8/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/9/2021						<0.005
10/12/2021			<0.005	<0.005	<0.005	
10/15/2021		<0.005				
10/20/2021	<0.005					
10/21/2021						<0.005
4/4/2022			<0.005			
4/5/2022				<0.005	<0.005	<0.005
4/7/2022	<0.005	<0.005				
10/17/2022			<0.005	<0.005		
10/18/2022					<0.005	<0.005
10/19/2022	<0.005	<0.005				
3/8/2023			<0.005	<0.005	<0.005	0.0014 (J)
3/10/2023	<0.005	<0.005				
10/18/2023	<0.005	<0.005				
10/19/2023			<0.005	<0.005	<0.005	<0.005
3/25/2024			<0.005	<0.005	<0.005	<0.005
3/28/2024	<0.005	<0.005				
10/14/2024	<0.005	<0.005				
10/16/2024			<0.005	<0.005	<0.005	
10/17/2024						0.0029 (J)
4/3/2025			<0.005	<0.005	<0.005	
4/4/2025						0.0019 (J)
4/8/2025	0.0017 (J)	<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.00055 (J)				
4/25/2018				0.00071 (J)		
6/14/2018		0.00068 (J)		0.0006 (J)		
7/24/2018		0.00036 (J)		0.0006 (J)		
9/1/2018		<0.005		<0.005		
10/1/2018		<0.005				
10/2/2018				<0.005		
11/2/2018		<0.005		<0.005		
12/6/2018		<0.005		<0.005		
2/13/2019		<0.005		<0.005		
8/9/2019		<0.005		<0.005		
8/30/2019		<0.005		<0.005		
3/16/2020		<0.005				
3/17/2020				<0.005		
7/13/2020	<0.005					
7/14/2020			<0.005			<0.005
7/30/2020					<0.005	
11/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
11/10/2020						<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/10/2021						<0.005
10/11/2021	<0.005				<0.005	
10/12/2021				<0.005		
10/14/2021		<0.005	<0.005			<0.005
4/5/2022	<0.005		<0.005			
4/6/2022		<0.005		<0.005	<0.005	
4/7/2022						<0.005
10/18/2022	<0.005		<0.005			
10/19/2022		<0.005		<0.005	<0.005	<0.005
3/8/2023	0.0012 (J)	<0.005	<0.005			
3/9/2023				0.0016 (J)	<0.005	<0.005
10/19/2023	<0.005	<0.005	<0.005			
10/20/2023				<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
3/28/2024						<0.005
10/17/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/3/2025		<0.005	<0.005	<0.005	<0.005	
4/4/2025	<0.005					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00046 (J)	0.00042 (J)		0.00081 (J)
6/13/2018					0.00027 (J)
6/14/2018		0.00039 (J)	0.00049 (J)		
7/23/2018			0.0006 (J)		0.00041 (J)
7/24/2018		0.00036 (J)			
9/6/2018		<0.005	<0.005		<0.005
10/2/2018		<0.005	<0.005		<0.005
11/1/2018			<0.005		<0.005
11/2/2018		<0.005			
12/6/2018		<0.005	<0.005		<0.005
2/13/2019		<0.005	<0.005		<0.005
4/5/2019	<0.005 (D)				
4/15/2019	<0.005				
5/2/2019	<0.005				
5/14/2019	<0.005				
5/29/2019	<0.005				
6/12/2019	<0.005				
6/19/2019	<0.005				
6/25/2019	<0.005				
8/8/2019					<0.005
8/9/2019	<0.005	<0.005	<0.005		
8/30/2019	<0.005	<0.005	<0.005		<0.005
3/17/2020	<0.005	<0.005	<0.005		<0.005
7/13/2020				<0.005	
11/9/2020			<0.005		
11/10/2020		<0.005		<0.005	
11/20/2020	<0.005				<0.005
3/8/2021					<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	
10/12/2021		<0.005		<0.005	<0.005
10/20/2021	<0.005				
10/21/2021			<0.005		
4/6/2022		<0.005	<0.005	<0.005	<0.005
4/7/2022	<0.005				
10/18/2022		<0.005	<0.005	<0.005	<0.005
10/19/2022	<0.005				
3/9/2023	<0.005	<0.005	0.00076 (J)	<0.005	
3/13/2023					0.0012 (J)
10/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005		<0.005	
3/28/2024			<0.005		<0.005
10/16/2024					0.0019 (J)
10/17/2024	0.0015 (J)	0.0019 (J)	0.0017 (J)	<0.005	
3/31/2025	0.0016 (J)				
4/3/2025			<0.005		<0.005
4/4/2025		<0.005			
4/10/2025				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	290					
6/13/2018	310					
7/23/2018	300					
9/1/2018	290					
10/2/2018	300					
11/1/2018	290					
12/6/2018	290					
2/13/2019	230					
3/16/2019			3.6	0.88 (J)		
3/27/2019			0.81 (JD)	1.3 (D)		
4/3/2019			1.1 (D)	1.9 (D)		
4/4/2019	240					
4/16/2019			0.68 (J)	2.5		
5/3/2019			1.1	1.3		
5/14/2019			1.3	2.2		
5/29/2019			2.1	1.2		
6/12/2019			1.9	1.1		
8/29/2019			2.3	1.1		
8/30/2019	160					
3/17/2020	110		3.7	3.2		
7/13/2020		5.31				
7/21/2020					802	713
11/4/2020					1700 (o)	670
11/9/2020			0.51 (J)			
11/20/2020	50	2.9		0.79 (J)		
3/8/2021	24	3			720	740
3/10/2021			<1	1.1		
10/11/2021			<1	<1		
10/12/2021	4	2.4				
10/15/2021						730
10/20/2021					840	
4/4/2022			0.91 (J)	1.3		
4/5/2022	7.5	5.2				
4/7/2022					810	810
10/17/2022			<1	<1		
10/18/2022	<2	3.7				
10/19/2022					810	830
3/7/2023			0.82 (J)			
3/10/2023					850	870
3/13/2023	2.5	5.3				
3/14/2023				<1		
10/18/2023					750	690
10/21/2023	2.4 (J)	4.2	<1	1		
3/28/2024						770
3/29/2024	<2	4.6	<1	<1	890	
10/14/2024					780	1100
10/16/2024	<2	5.7	<1	<1		
4/2/2025	<2		<1	<1		
4/3/2025		4.7				
4/8/2025					830	1200

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<5		1200
6/14/2018				7.2		1200
7/24/2018				2.7 (J)		1100
9/1/2018				1.5 (J)		1200
10/1/2018				<5		1200
11/2/2018				1.9 (J)		1000
12/7/2018				<5		1100
2/13/2019				1.5 (J)		1100
3/16/2019			14			
3/27/2019			19			
4/3/2019			4.6 (J)			
4/5/2019				7		1200
4/15/2019			8.6			
5/2/2019			6			
5/14/2019			5.8			
5/28/2019			9.4			
6/12/2019			8.8			
8/30/2019			13	8.4		1100
3/16/2020			23	16		1100
7/11/2020					10.6	
7/21/2020	52.9					
7/30/2020		33.4				
11/3/2020	550					
11/4/2020		440	10			
11/5/2020				4.4 (J)	13	1000
3/8/2021	97	72	12	5.7	4.6	
3/9/2021						1100
10/12/2021			<5	<5	3.1	
10/15/2021		55				
10/20/2021	91.5 (D)					
10/21/2021						1040 (D)
4/4/2022			21			
4/5/2022				11	3.9	1100
4/7/2022	160	140				
10/17/2022			1.2	5.6		
10/18/2022					3	850
10/19/2022	76	57				
3/8/2023			5	5.6	4.3	960
3/10/2023	88	76				
10/18/2023	80	88				
10/19/2023			<5	690	3.8	980
3/25/2024			6.3	6	3.7	980
3/28/2024	97	95				
10/14/2024	140	88				
10/16/2024			8.8	8.8	4.4	
10/17/2024						1000
4/3/2025			<5	3.8 (J)	3.5	
4/4/2025						960
4/8/2025	100	99				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		340				
4/25/2018				920		
6/14/2018		350		980		
7/24/2018		310		950		
9/1/2018		300		980		
10/1/2018		330				
10/2/2018				960		
11/2/2018		310		860		
12/6/2018		300		990		
2/13/2019		320		930		
4/4/2019				1100		
4/5/2019		330				
8/30/2019		330		940		
3/16/2020		330				
3/17/2020				910		
7/13/2020	8.05					
7/14/2020			554			33.5
7/30/2020					12.7	
11/9/2020	5.8	320	560	1000	13	
11/10/2020						20
3/9/2021	11	320	520	910	11	
3/10/2021						14
10/11/2021	4.8				8.9	
10/12/2021				900		
10/14/2021		290	660			12
4/5/2022	6.6		720			
4/6/2022		300		910	10	
4/7/2022						11
10/18/2022	5.3		700			
10/19/2022		230		810	12	13
3/8/2023	6.2	210	710			
3/9/2023				810	6.3	19
10/19/2023	5.4	190	310			
10/20/2023				660	4.6	17
3/26/2024	5.6	170	710	610	4.8	
3/28/2024						18
10/17/2024	5.6	190	690	600	4.9	19
4/3/2025		180	730	590	4.5	
4/4/2025	5.1					14

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		65	670		270
6/13/2018					300
6/14/2018		81	650		
7/23/2018			610		280
7/24/2018		52			
9/6/2018		53	690		270
10/2/2018		34	650		280
11/1/2018			610		270
11/2/2018		35			
12/6/2018		65	660		300
2/13/2019		74	600		280
4/4/2019		61	640		330
4/5/2019	800 (D)				
4/15/2019	700				
5/2/2019	810				
5/14/2019	810				
5/29/2019	830				
6/12/2019	830				
6/19/2019	810				
6/25/2019	800				
8/30/2019	800	83	620		280
3/17/2020	590	430	680		290
7/13/2020				10.5	
11/9/2020			590		
11/10/2020		64		1.8	
11/20/2020	790				270
3/8/2021					280
3/9/2021	830	100	630	0.84 (J)	
10/12/2021		13		0.83 (J)	270
10/20/2021	835 (D)				
10/21/2021			615 (D)		
4/6/2022		98	610	15	290
4/7/2022	820				
10/18/2022		25	560	7.6	280
10/19/2022	800				
3/9/2023	810	79	570	9.3	
3/13/2023					250
10/20/2023	760	93	590	4.3	190
3/26/2024	770	100		5.7	
3/28/2024			630		170
10/16/2024					160
10/17/2024	820	45	610	5.4	
3/31/2025	820				
4/3/2025			570		190
4/4/2025		71			
4/10/2025				7	

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	<0.001					
12/6/2018	<0.001					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	0.00015 (J)		<0.001	<0.001		
8/29/2019			0.00015 (J)	0.00017 (J)		
8/30/2019	0.00058 (J)					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		<0.001				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	<0.001		<0.001		
3/8/2021	0.00068 (J)	0.00057 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	<0.001				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			<0.001	<0.001		
4/5/2022	<0.001	<0.001				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	<0.001				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	<0.001	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
10/14/2024					<0.001	<0.001
10/16/2024	<0.001	<0.001	<0.001	<0.001		
4/2/2025	<0.001		<0.001	<0.001		
4/3/2025		<0.001				
4/8/2025					<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		0.00012 (J)
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		<0.001
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	0.00084 (J)		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					<0.001	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	0.00019 (J)			
11/5/2020				<0.001	<0.001	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	<0.001	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				<0.001	<0.001	<0.001
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				
10/14/2024	<0.001	<0.001				
10/16/2024			<0.001	<0.001	<0.001	
10/17/2024						<0.001
4/3/2025			<0.001	<0.001	<0.001	
4/4/2025						<0.001
4/8/2025	<0.001	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		<0.001		<0.001		
12/6/2018		<0.001		<0.001		
2/13/2019		<0.001		<0.001		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					<0.001	
11/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/10/2021						<0.001
10/11/2021	<0.001				<0.001	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		<0.001			
4/6/2022		<0.001		<0.001	<0.001	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	<0.001	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/3/2025		<0.001	<0.001	<0.001	<0.001	
4/4/2025	<0.001					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			<0.001		<0.001
11/2/2018		<0.001			
12/6/2018		<0.001	<0.001		<0.001
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					<0.001
8/9/2019	<0.001	<0.001	0.00025 (J)		
8/30/2019	<0.001	<0.001	0.0013		0.0016
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					0.00024 (J)
3/9/2021	<0.001	<0.001	0.00017 (J)	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	<0.001	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001
10/16/2024					<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	
3/31/2025	<0.001				
4/3/2025			<0.001		<0.001
4/4/2025		<0.001			
4/10/2025				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2500					
6/13/2018	2900					
7/23/2018	3100					
9/1/2018	2700					
10/2/2018	2900					
11/1/2018	2700					
12/6/2018	2600					
2/13/2019	2800					
3/16/2019			120	150		
3/27/2019			63 (D)	110 (D)		
4/3/2019			100 (D)	150 (D)		
4/4/2019	2500					
4/16/2019			110	150		
5/3/2019			91	130		
5/14/2019			120	150		
5/29/2019			140	180		
6/12/2019			100	130		
8/29/2019			73	110		
8/30/2019	2200					
3/17/2020	2700		95	120		
7/13/2020		152				
7/21/2020					3760	6350
11/4/2020					5400	6500
11/9/2020			68			
11/20/2020	2100	180		160		
3/8/2021	2100	160			3600	6800
3/10/2021			89	140		
10/11/2021			80	120		
10/12/2021	2300	160				
10/15/2021						5700
10/20/2021					3400	
4/4/2022			78	120		
4/5/2022	1700	140				
4/7/2022					3400	6000
10/17/2022			86	120		
10/18/2022	1900	130				
10/19/2022					3600	5900
3/7/2023			86			
3/10/2023					3600	5600
3/13/2023	1500	150				
3/14/2023				120		
10/18/2023					3500	6200
10/21/2023	1600	150	73	130		
3/28/2024						6100
3/29/2024	1400	130	87	120	3500	
10/14/2024					3200	5200
10/16/2024	1400	130	74	110		
4/2/2025	1200		67	110		
4/3/2025		130				
4/8/2025					3400	5700

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4800		18000
6/14/2018				5700		13000
7/24/2018				6000		18000
9/1/2018				6300		20000
10/1/2018				6500		20000
11/2/2018				3800		19000
12/7/2018				5300		13000
2/13/2019				6200		16000
3/16/2019			3300			
3/27/2019			2900			
4/3/2019			3600			
4/5/2019				5000		18000
4/15/2019			3300			
5/2/2019			3300			
5/14/2019			3600			
5/28/2019			3500			
8/30/2019			3500	4400		18000
3/16/2020			4500	4400		16000
7/11/2020					170	
7/21/2020	5400					
7/30/2020		5020				
11/3/2020	9200					
11/4/2020		8500	5000			
11/5/2020				4100	190	19000
3/8/2021	6200	5100	5200	4300	160	
3/9/2021						22000
10/12/2021			4700	4400	160	
10/15/2021		5700				
10/20/2021	5200					
10/21/2021						18000
4/4/2022			4700			
4/5/2022				4400	140	16000
4/7/2022	5100	5100				
10/17/2022			4900	6600		
10/18/2022					150	14000
10/19/2022	5700	5700				
3/8/2023			4400	4000	150	17000
3/10/2023	5000	4700				
10/18/2023	5000	5300				
10/19/2023			4200	3900	140	17000
3/25/2024			4600	4000	140	16000
3/28/2024	4900	5100				
10/14/2024	4700	4900				
10/16/2024			4500	4100	160	
10/17/2024						16000
4/3/2025			4200	4000	130	
4/4/2025						15000
4/8/2025	4900	4500				

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		7700				
4/25/2018				16000		
6/14/2018		7200		14000		
7/24/2018		7000		15000		
9/1/2018		7800		16000		
10/1/2018		8400				
10/2/2018				17000		
11/2/2018		7600		15000		
12/6/2018		7400		14000		
2/13/2019		7700		16000		
4/4/2019				18000		
4/5/2019		7000				
8/30/2019		5800		16000		
3/16/2020		6100				
3/17/2020				15000		
7/13/2020	152					
7/14/2020			14800			184
7/30/2020					133 (D)	
11/9/2020	170	5400	16000	14000	130	
11/10/2020						150
3/9/2021	230	5500	19000	20000	150	
3/10/2021						160
10/11/2021	170				140	
10/12/2021				15000		
10/14/2021		5700	15000			150
4/5/2022	160		14000			
4/6/2022		5200		15000	130	
4/7/2022						160
10/18/2022	170		15000			
10/19/2022		5900		13000	240	160
3/8/2023	180	4600	15000			
3/9/2023				15000	150	190
10/19/2023	170	3900	14000			
10/20/2023				13000	130	200
3/26/2024	180	3900	14000	12000	140	
3/28/2024						210
10/17/2024	190	3900	11000	10000	130	220
4/3/2025		3700	15000	12000	120	
4/4/2025	170					210

Time Series

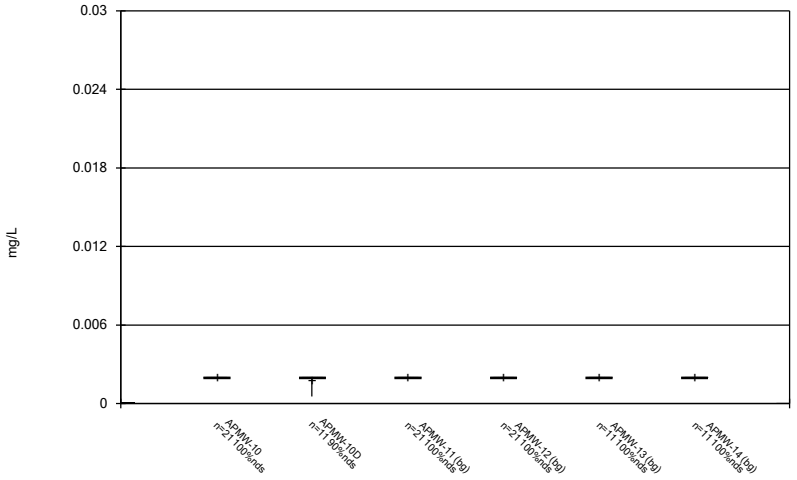
Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:30 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		7500	6400		5800
6/13/2018					5800
6/14/2018		7000	6000		
7/23/2018			7200		5800
7/24/2018		7200			
9/6/2018		7000	7800		6300
10/2/2018		7400	8200		6500
11/1/2018			7300		5000
11/2/2018		6900			
12/6/2018		6900	8300		6000
2/13/2019		8200	8900		6700
4/4/2019		8100	7700		4500
4/5/2019	7800 (D)				
4/15/2019	6600				
5/2/2019	7400				
5/14/2019	8300				
5/29/2019	8600				
6/12/2019	6800				
6/19/2019	7100				
6/25/2019	8500				
8/30/2019	6600	6900	6300		4900
3/17/2020	7200	6900	6400		5400
7/13/2020				148	
11/9/2020			7100		
11/10/2020		7100		150	
11/20/2020	7400				6000
3/8/2021					6300
3/9/2021	8800	7800	8100	170	
10/12/2021		6900		170	7000
10/20/2021	7600				
10/21/2021			6600		
4/6/2022		7700	8900	130	5600
4/7/2022	7600				
10/18/2022		7900	7000	140	5900
10/19/2022	7000				
3/9/2023	7500	7900	7400	110	
3/13/2023					6000
10/20/2023	7000	8000	7100	110	5100
3/26/2024	7300	7600		120	
3/28/2024			7600		5100
10/16/2024					5200
10/17/2024	6800	7000	7100	99	
3/31/2025	7300				
4/3/2025			7300		5300
4/4/2025		7500			
4/10/2025				110	

FIGURE B.

Box & Whiskers Plot

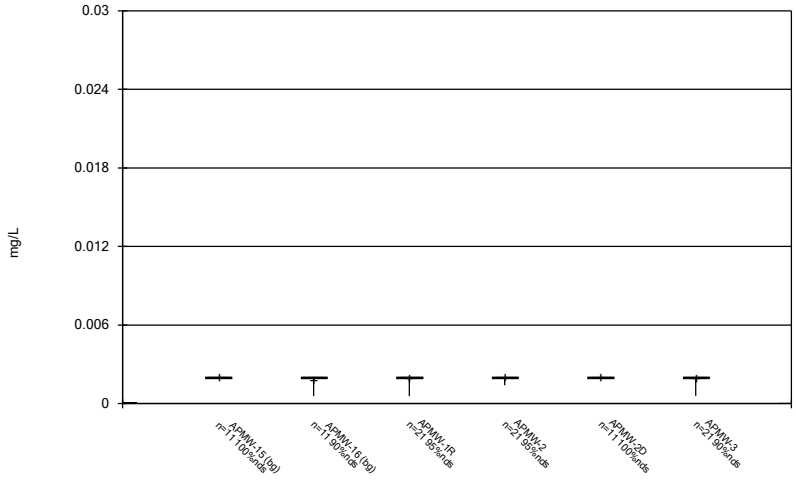


Constituent: Antimony Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

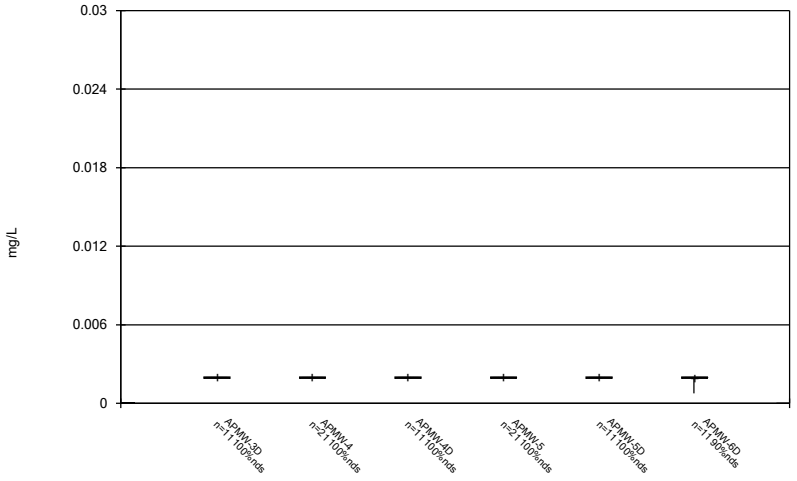


Constituent: Antimony Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

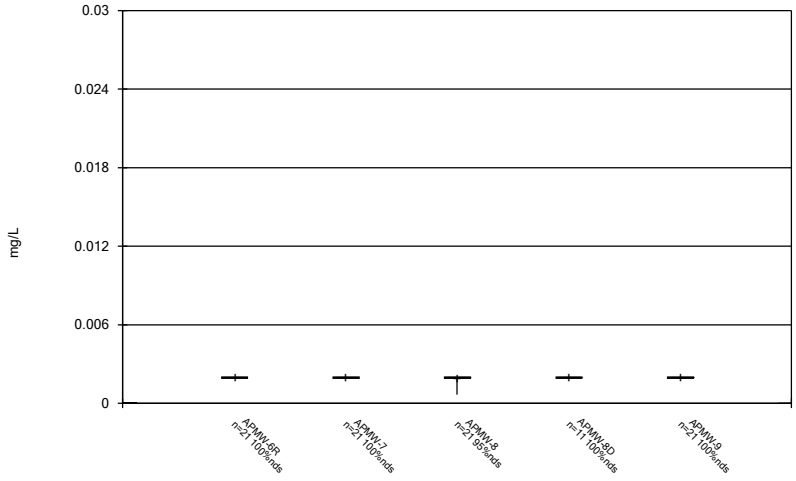


Constituent: Antimony Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

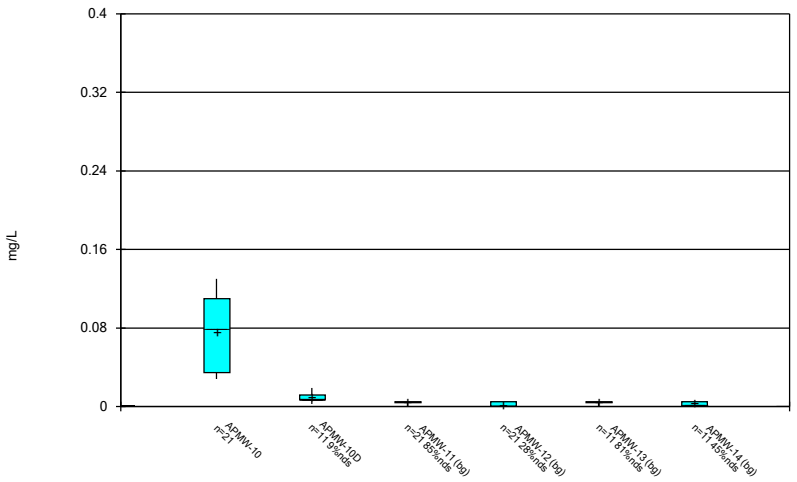
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

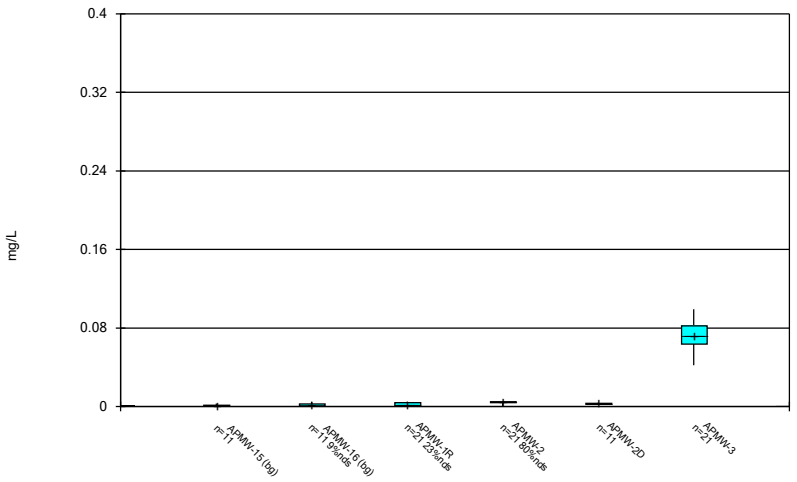


Constituent: Arsenic Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

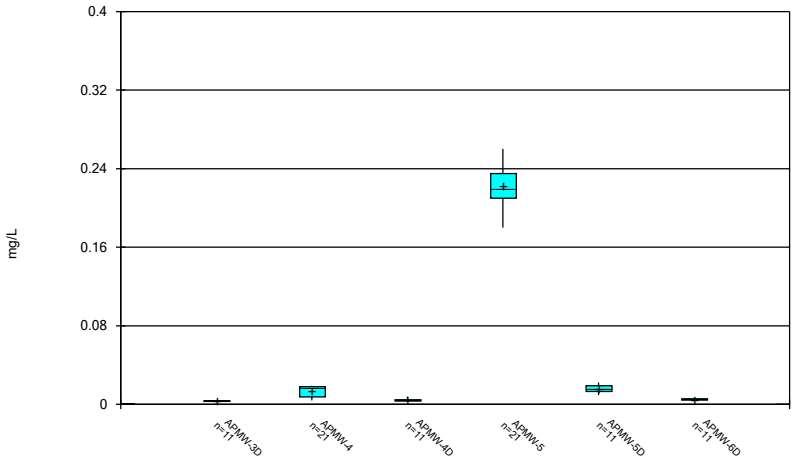


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

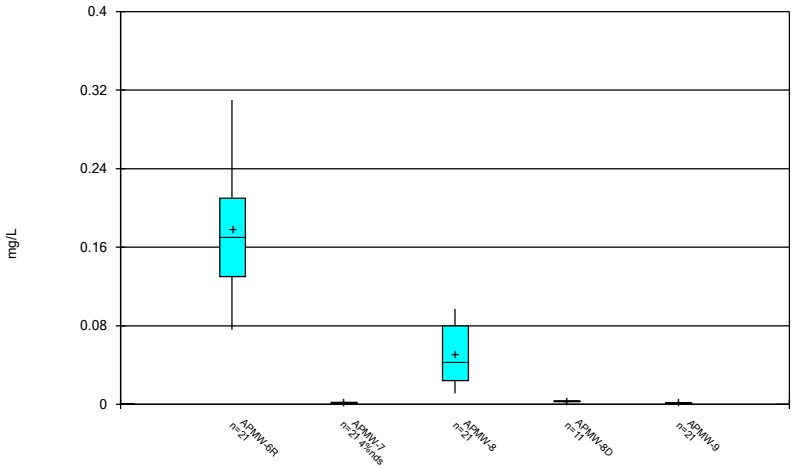


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

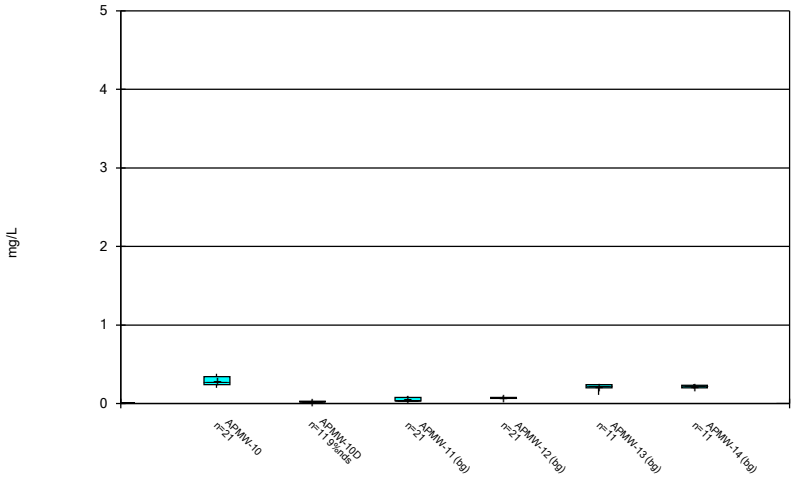
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

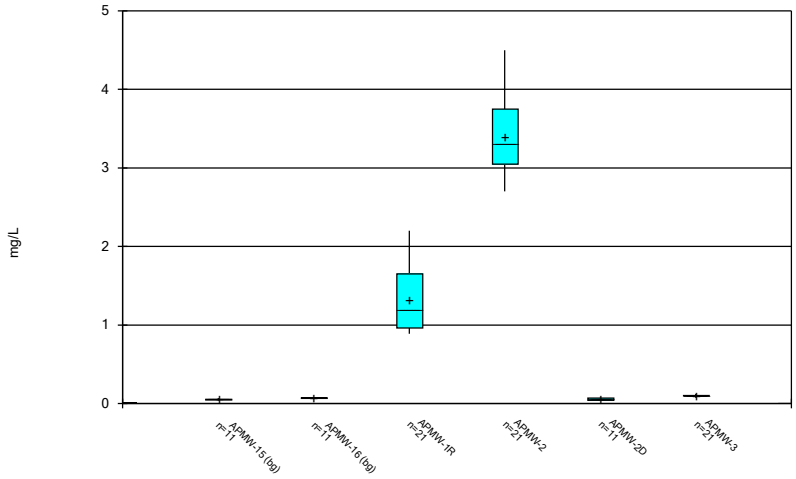


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

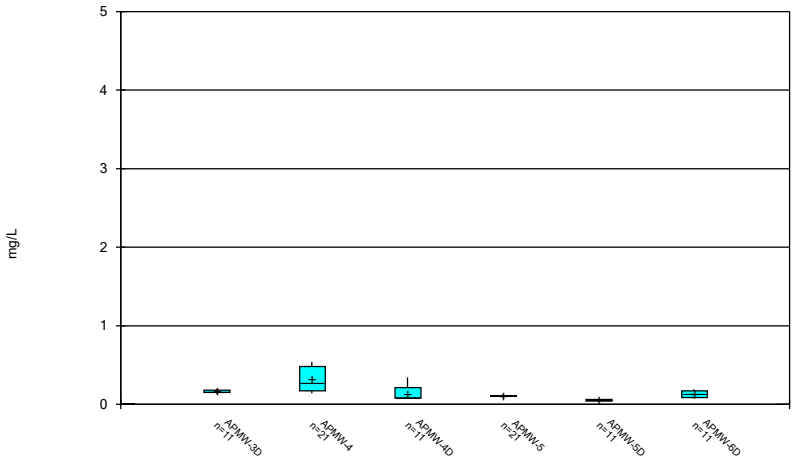


Constituent: Barium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

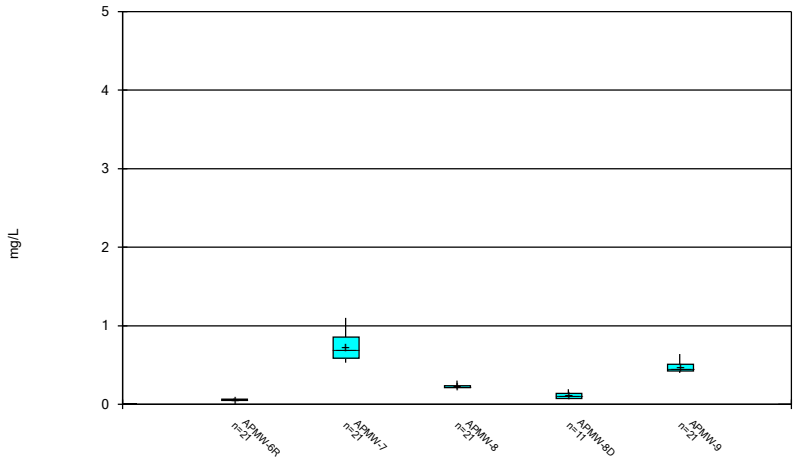


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

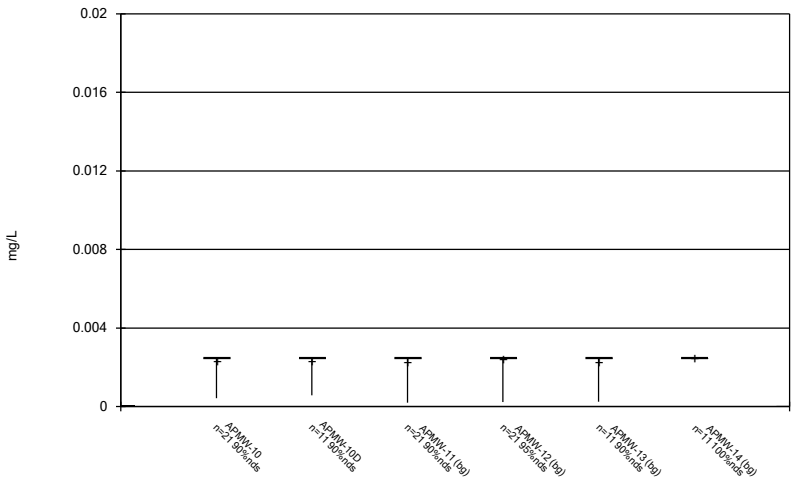
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

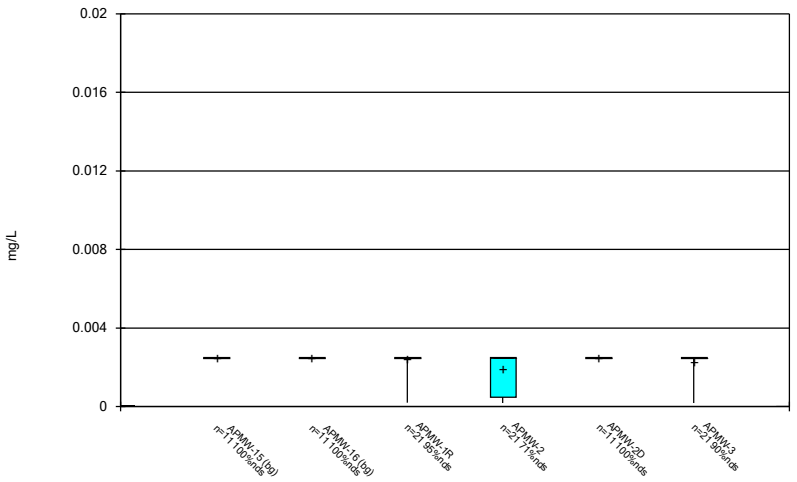


Constituent: Beryllium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

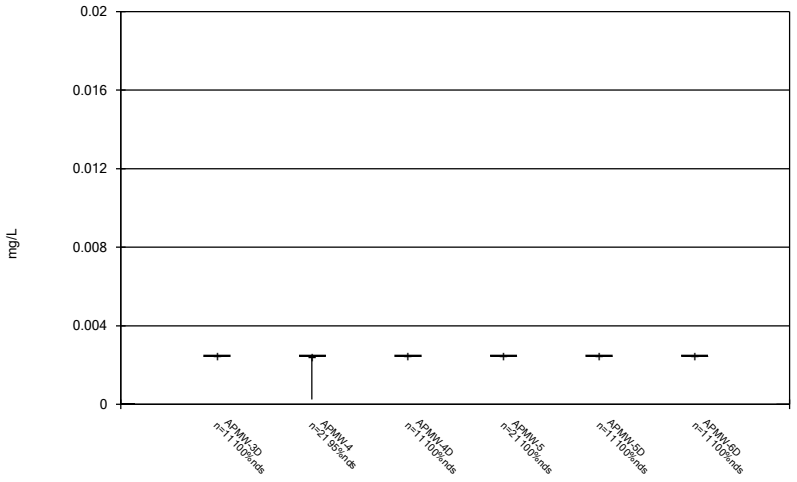


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

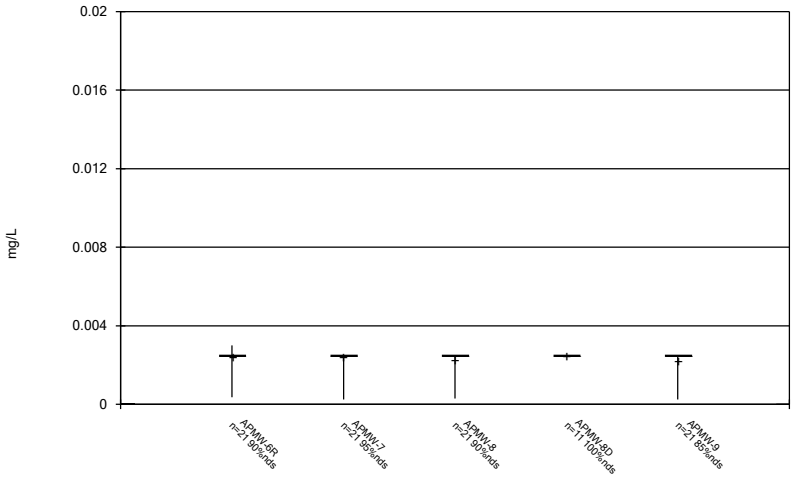


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

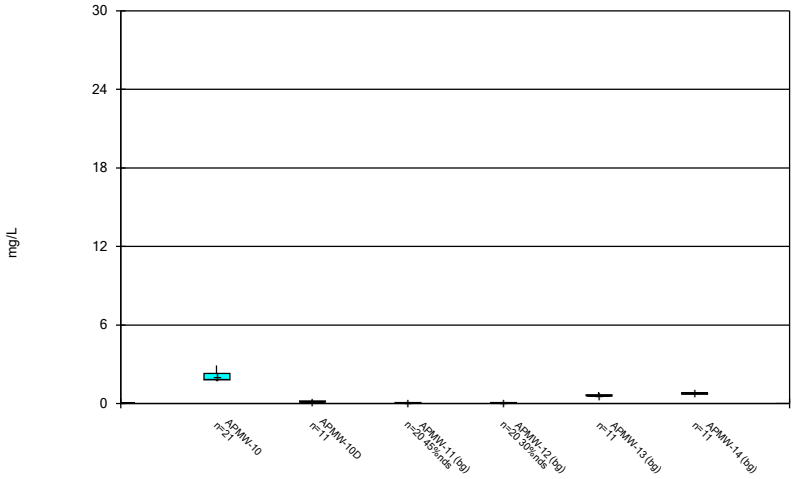
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

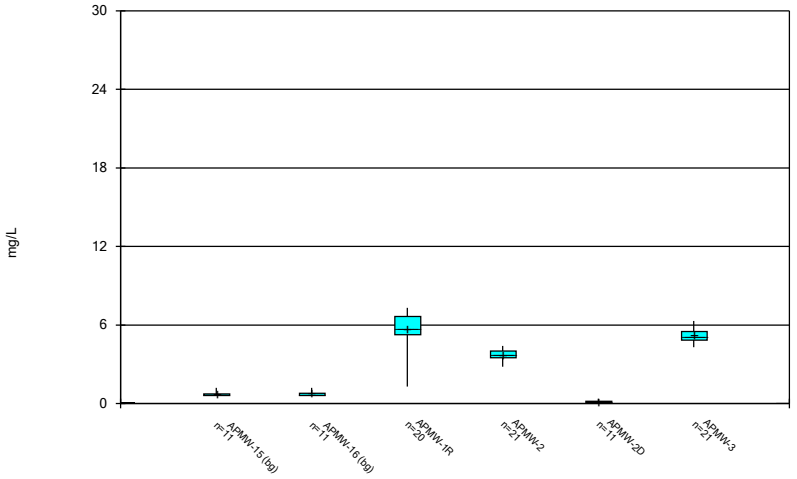


Constituent: Boron Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

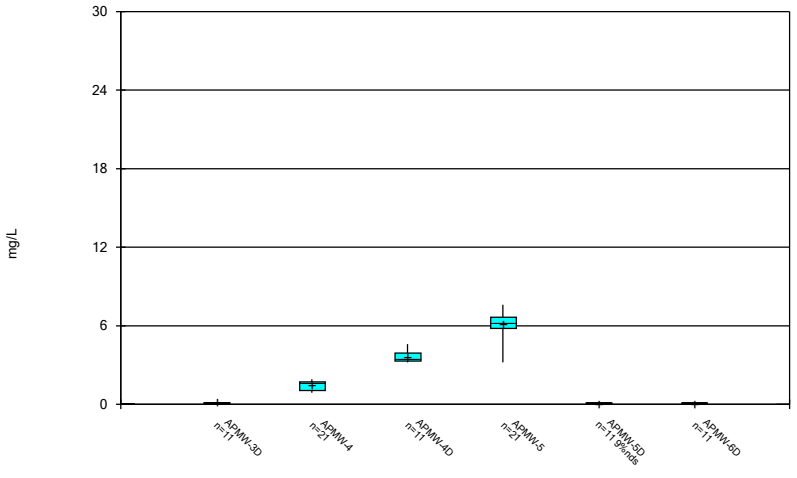


Constituent: Boron Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

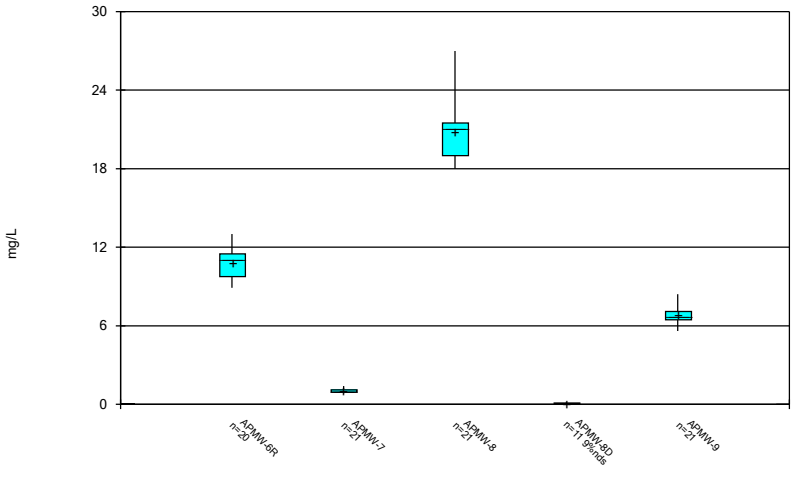


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

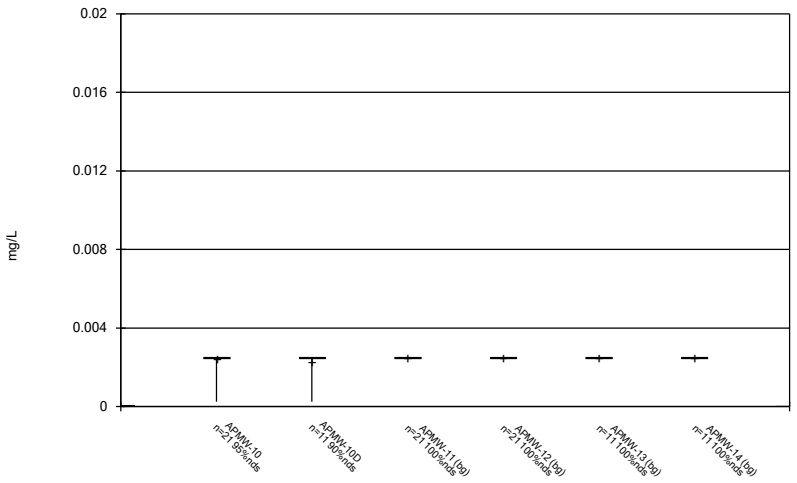
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

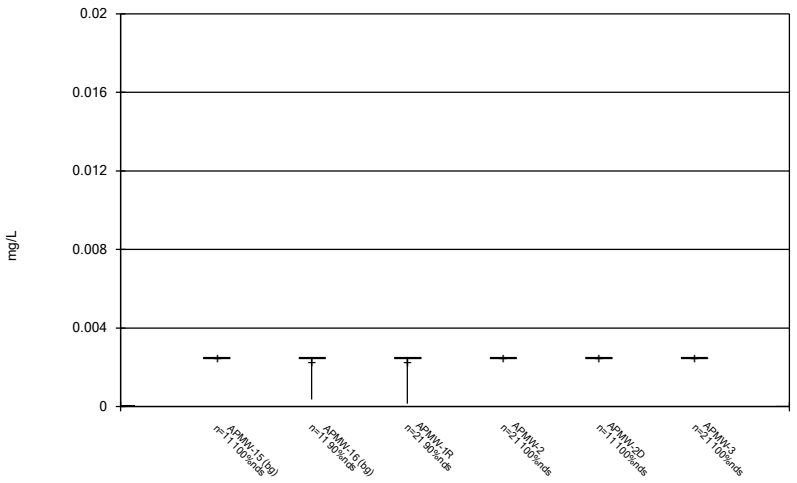


Constituent: Cadmium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

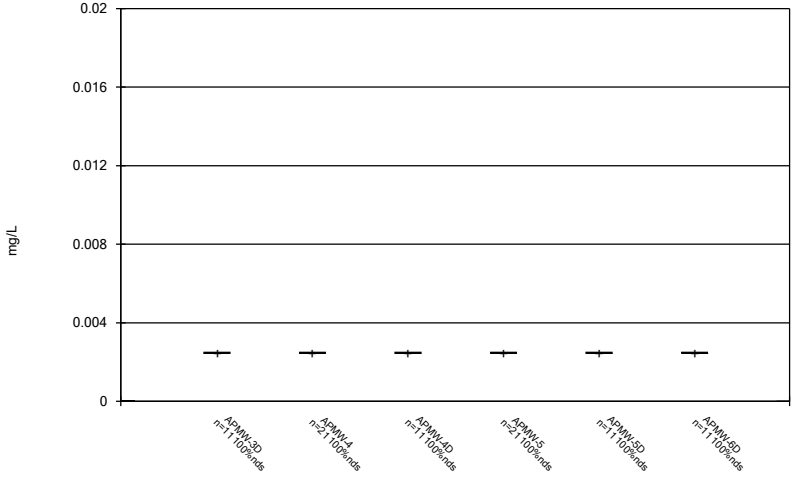


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

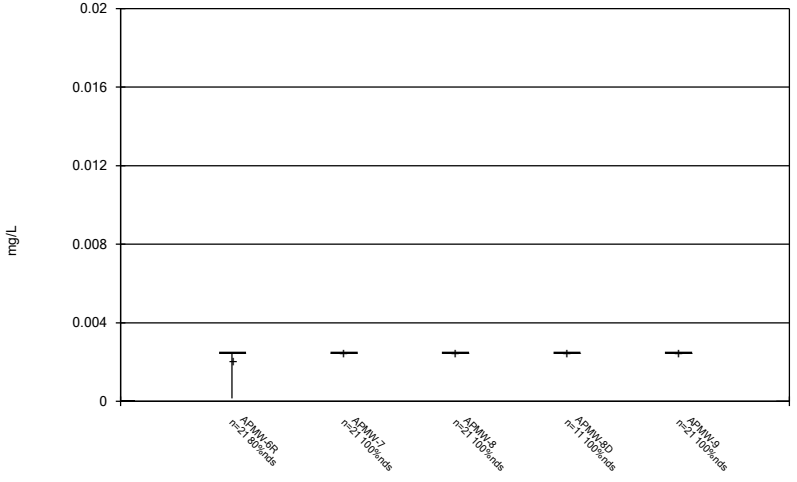


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

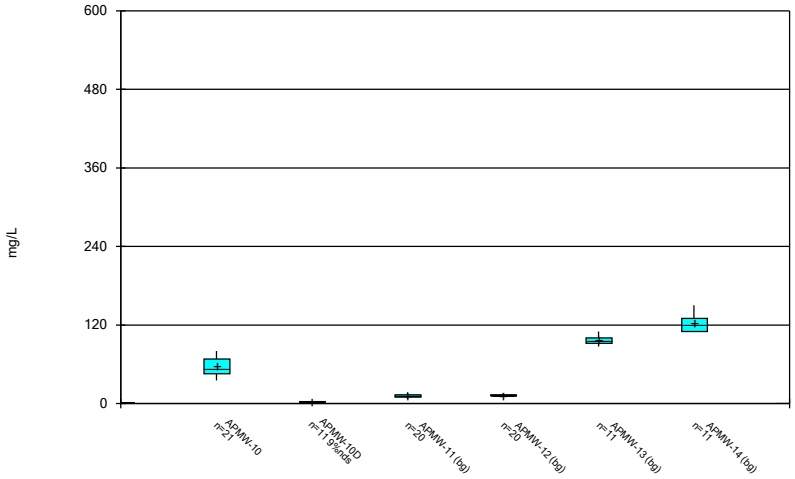
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

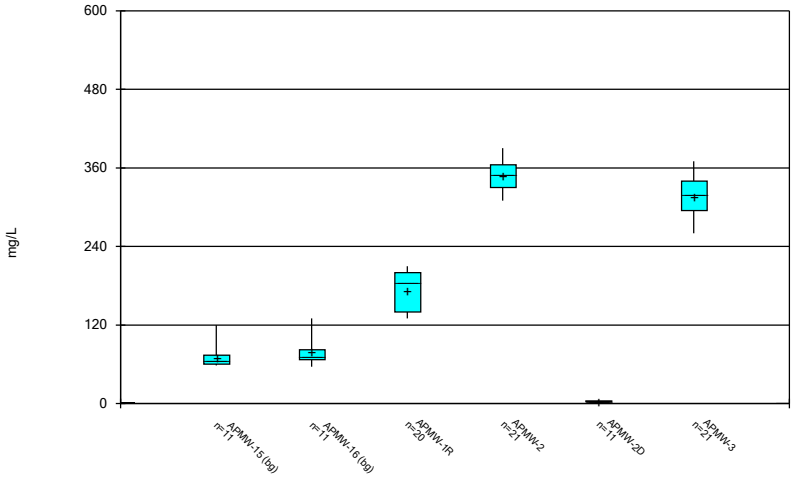


Constituent: Calcium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

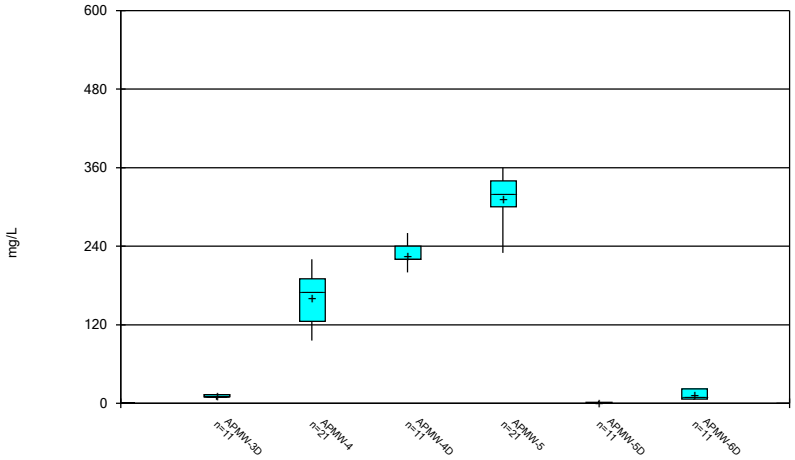


Constituent: Calcium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

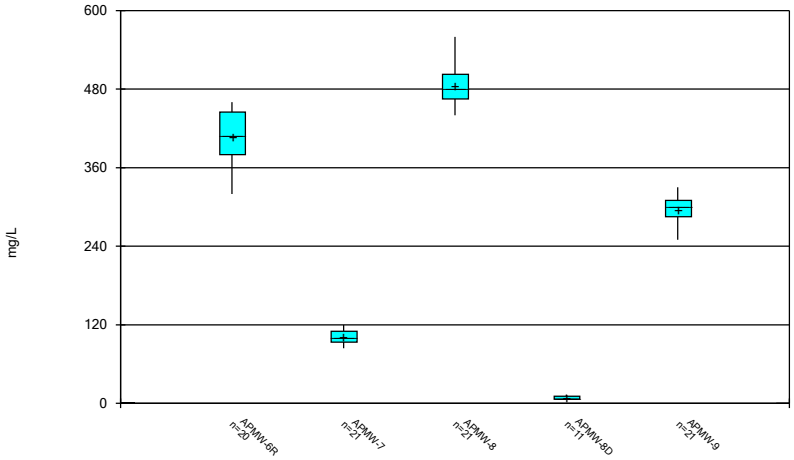


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

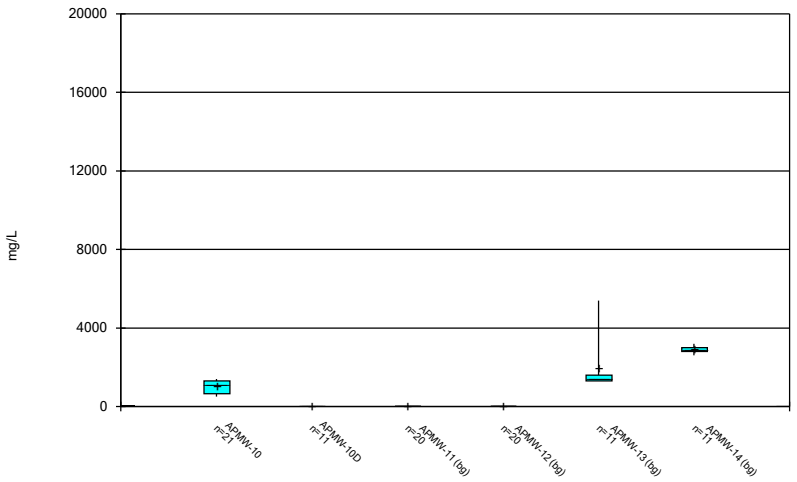
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

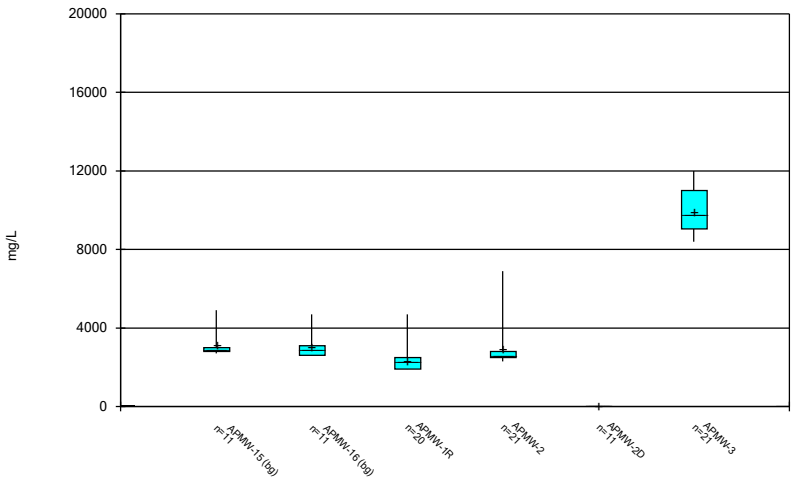


Constituent: Chloride Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

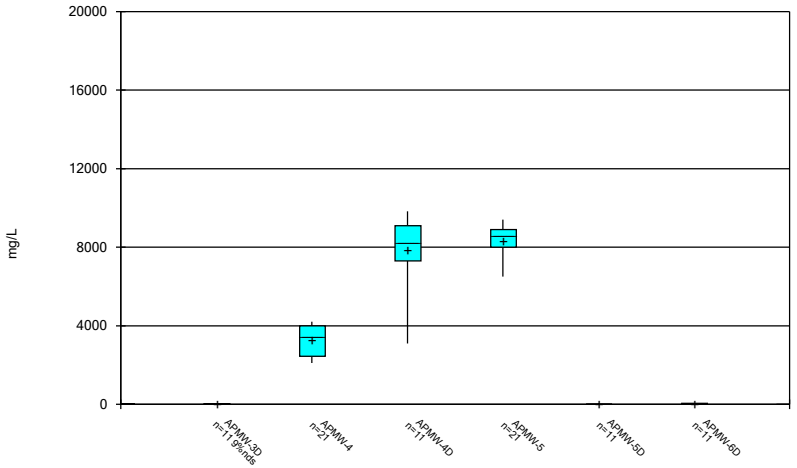


Constituent: Chloride Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

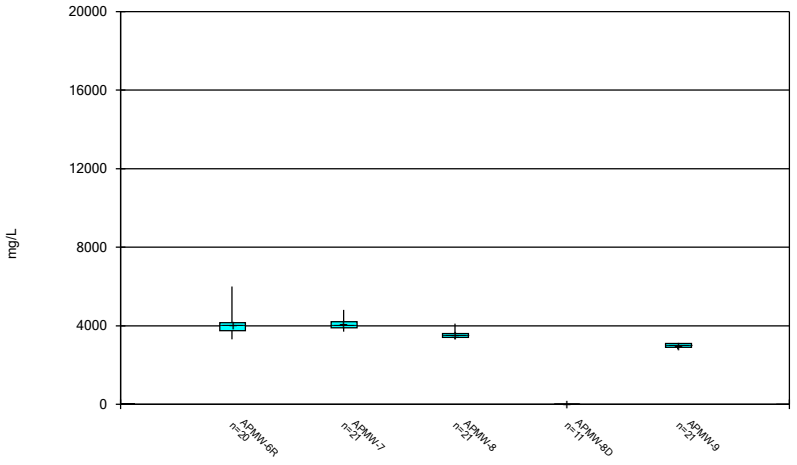


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Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

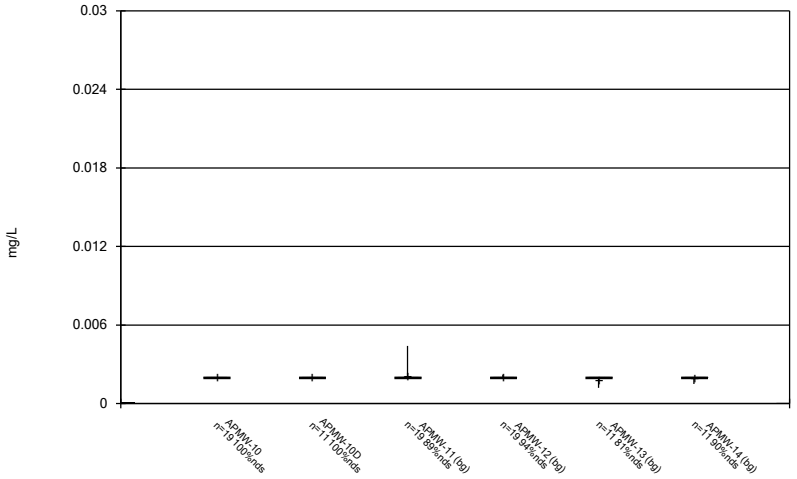
Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

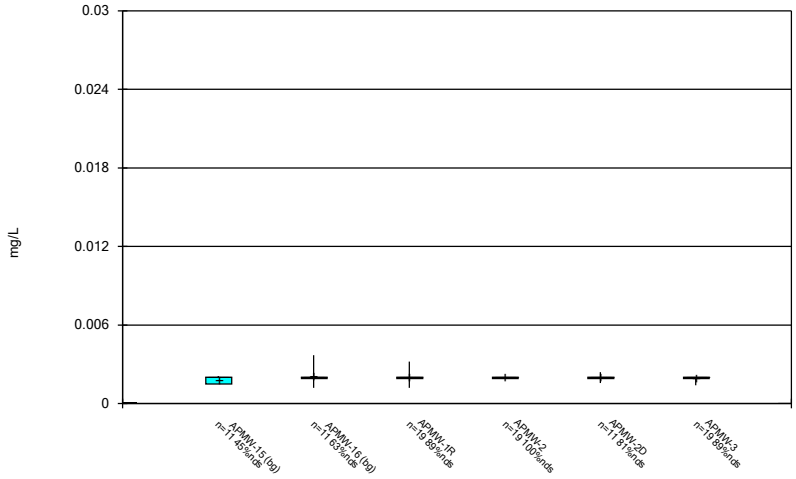


Constituent: Chromium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

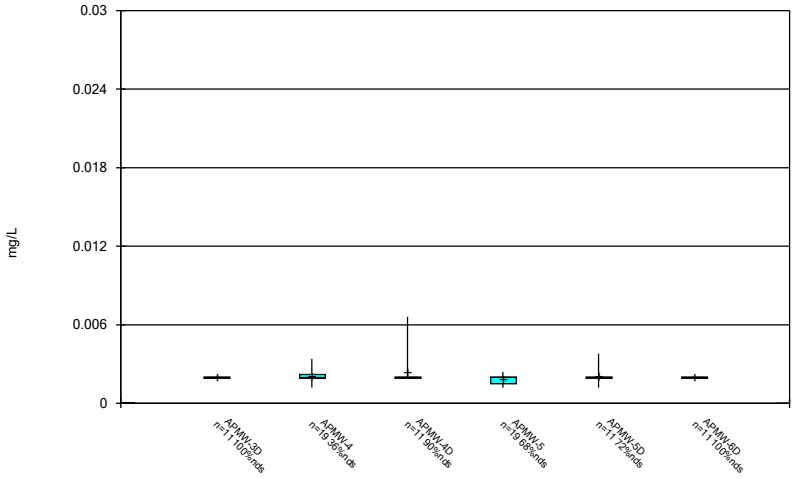


Constituent: Chromium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

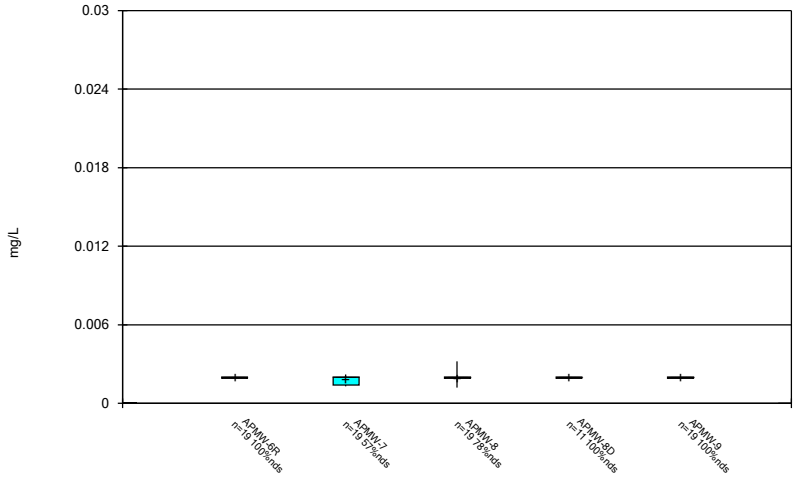


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

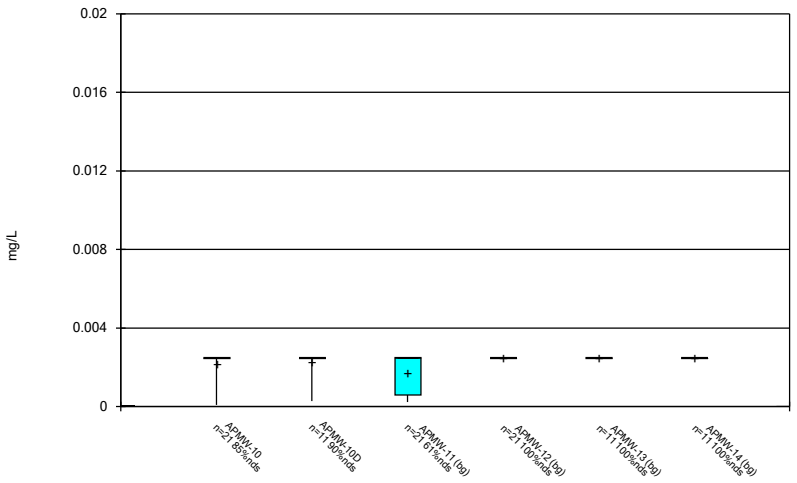
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

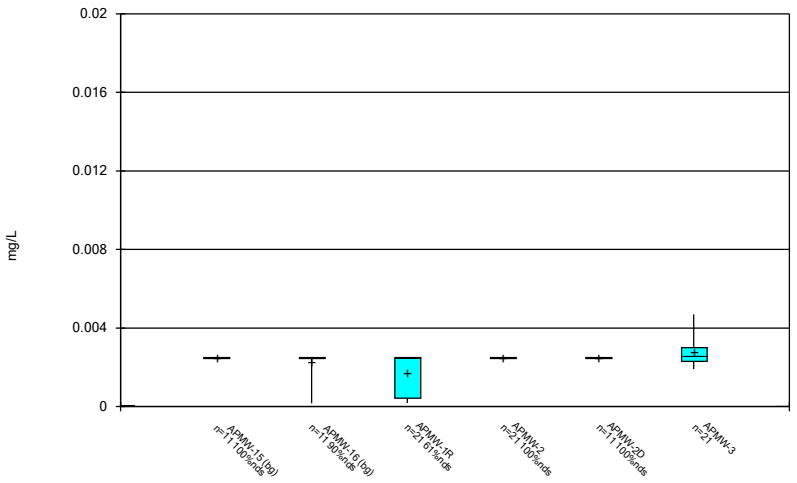


Constituent: Cobalt Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

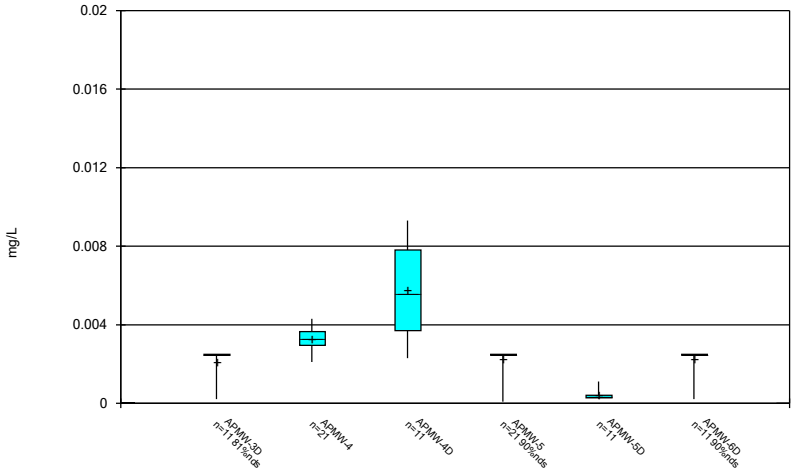


Constituent: Cobalt Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

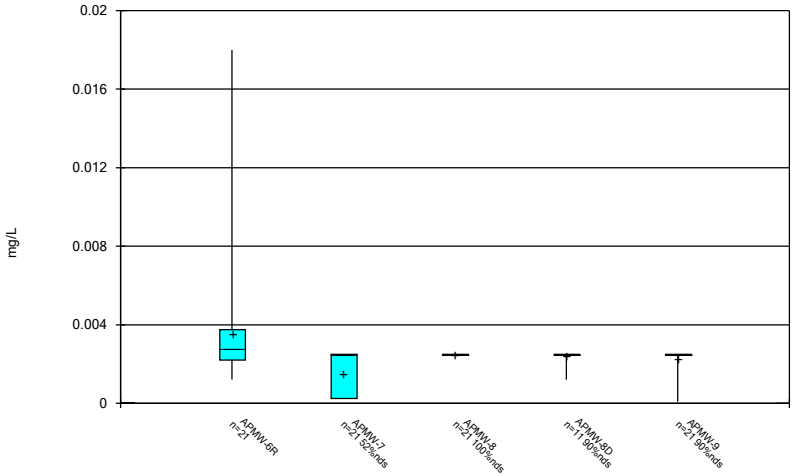


Constituent: Cobalt Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

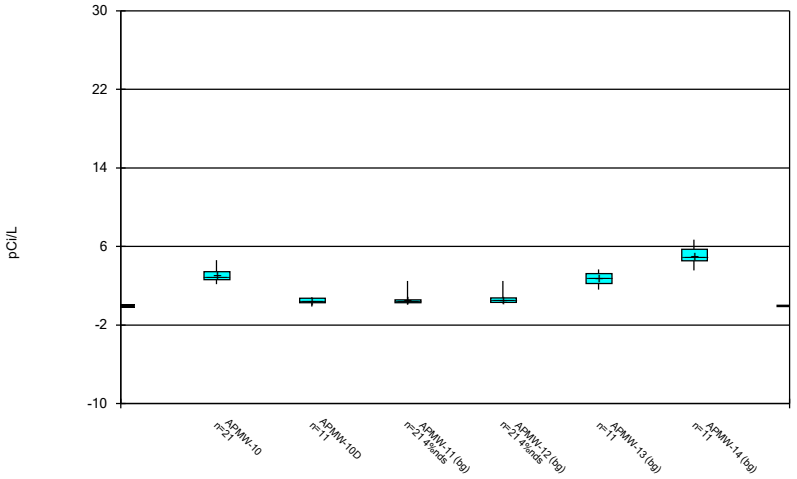
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

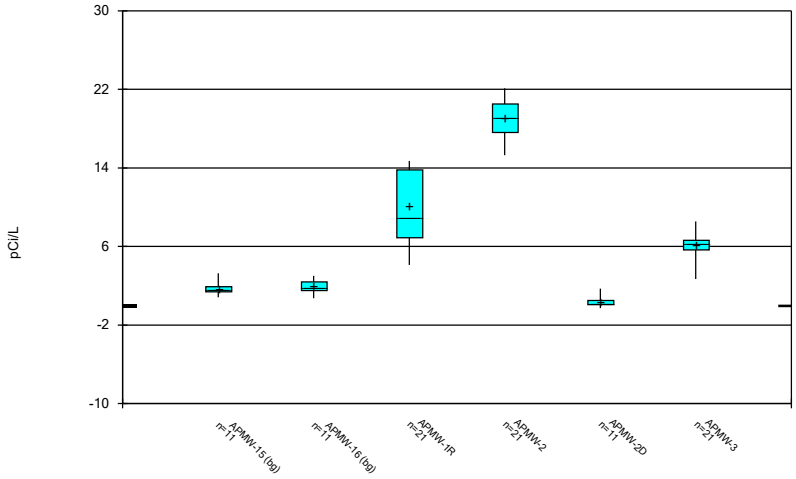
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:31 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

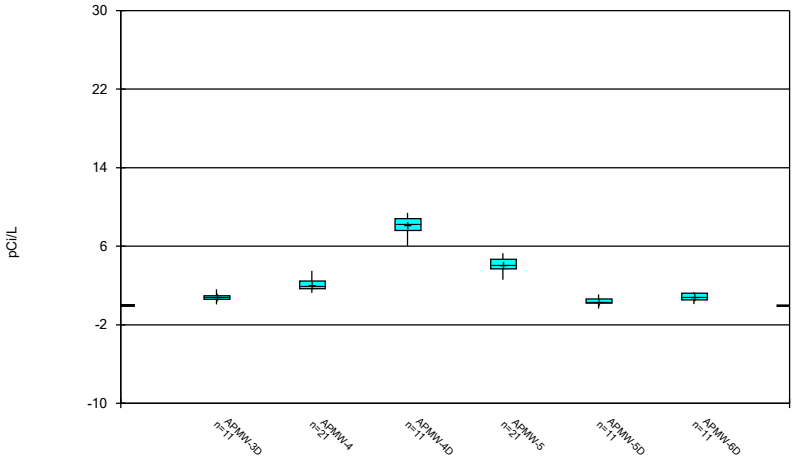
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:31 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

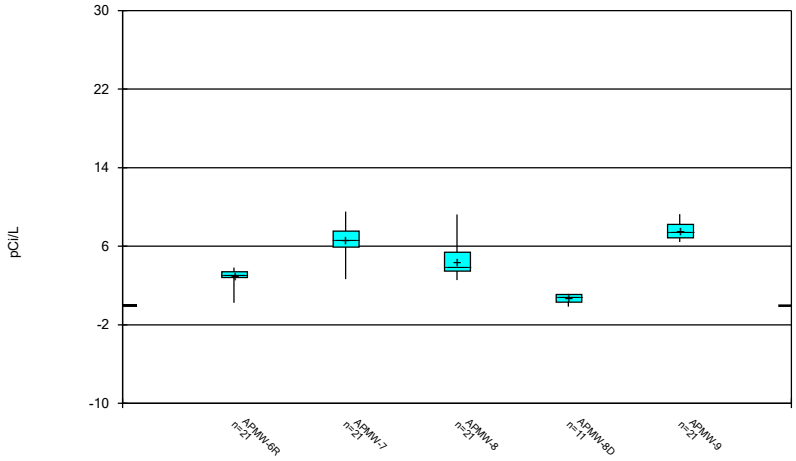
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:31 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

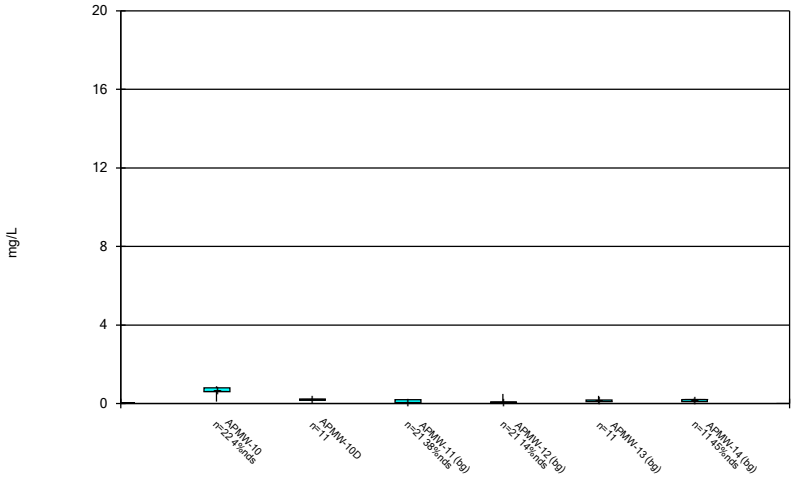
Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:31 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

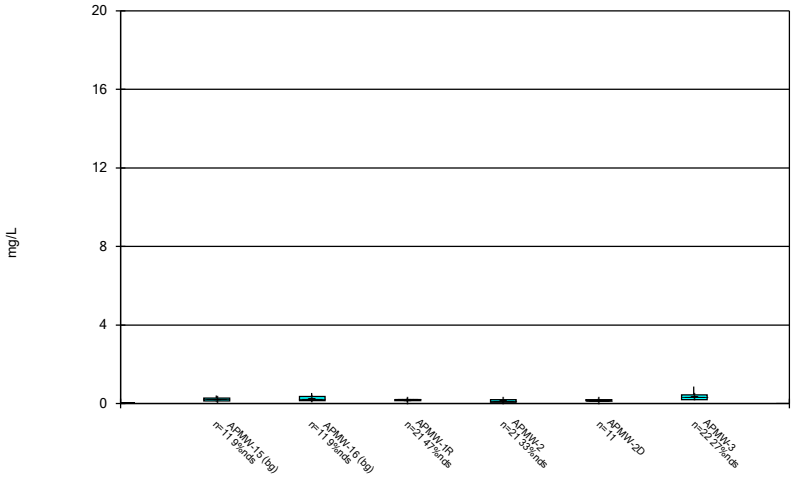


Constituent: Fluoride Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

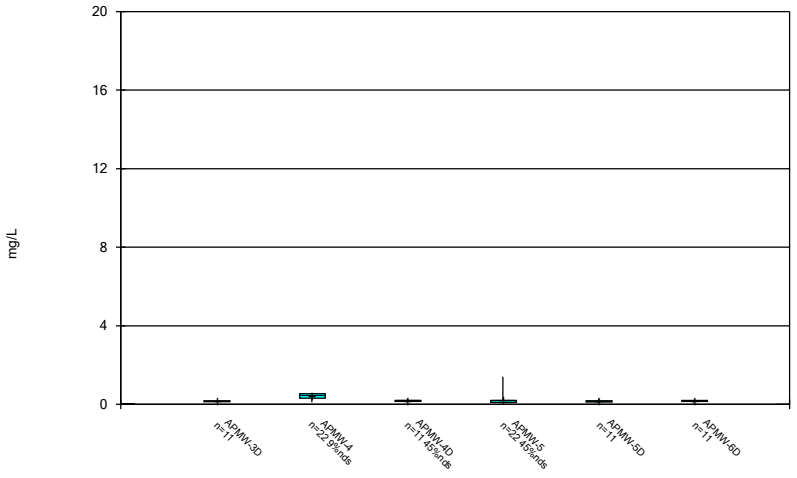


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

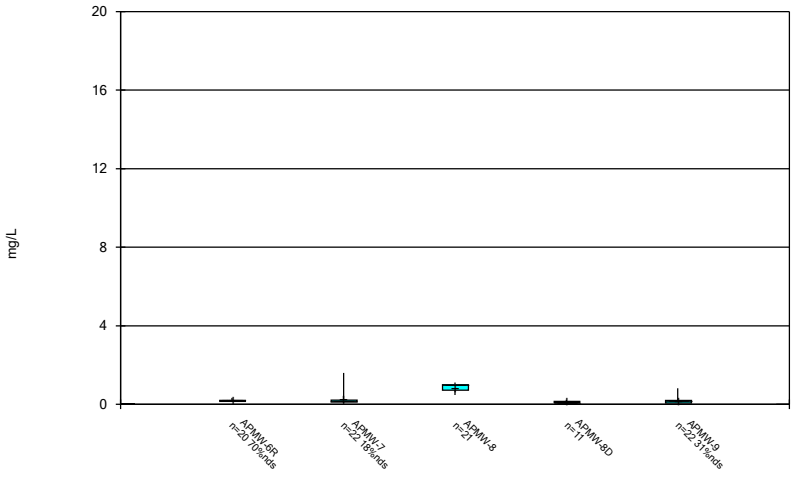


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

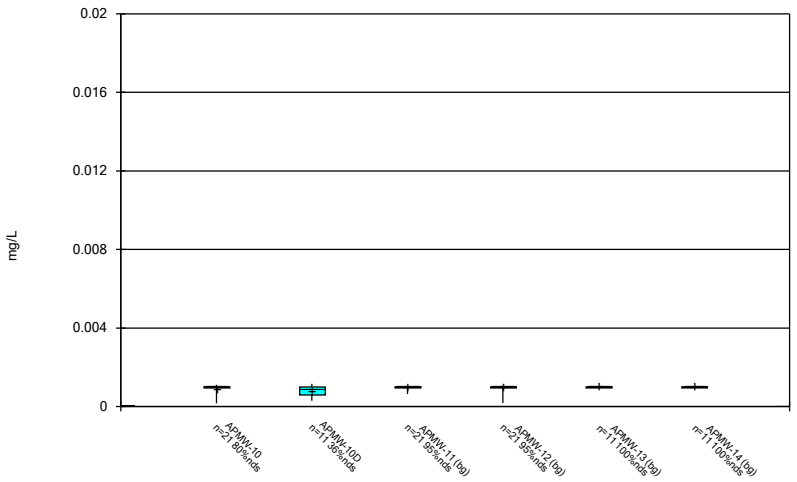
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

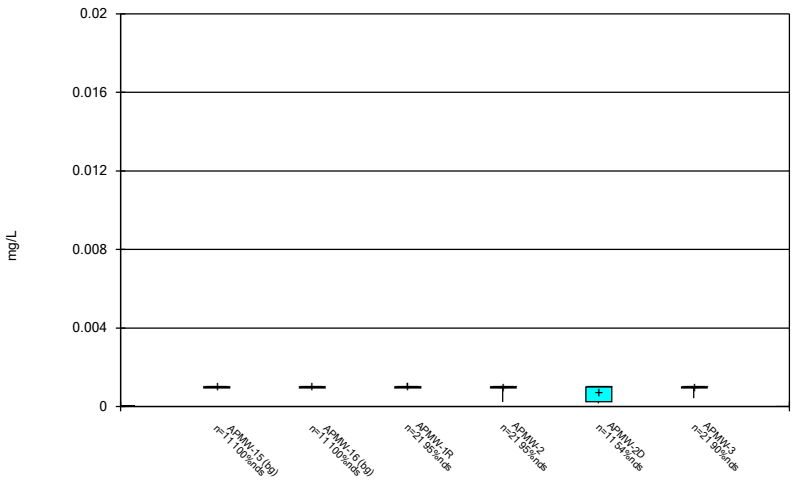


Constituent: Lead Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Box & Whiskers Plot

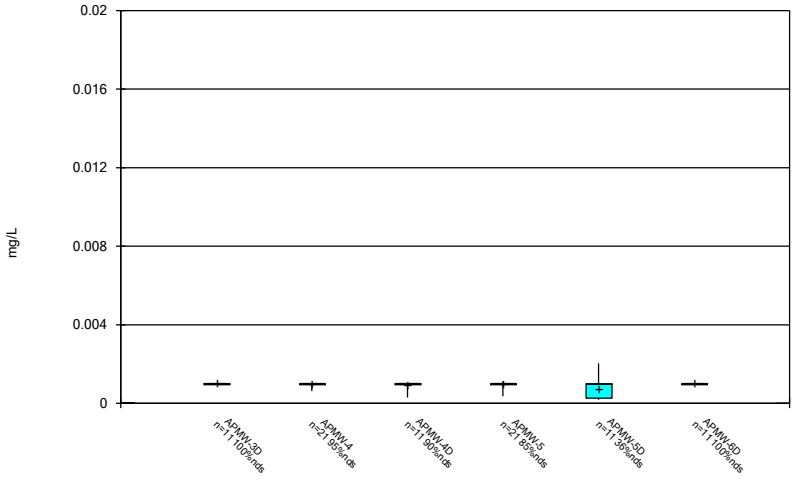


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

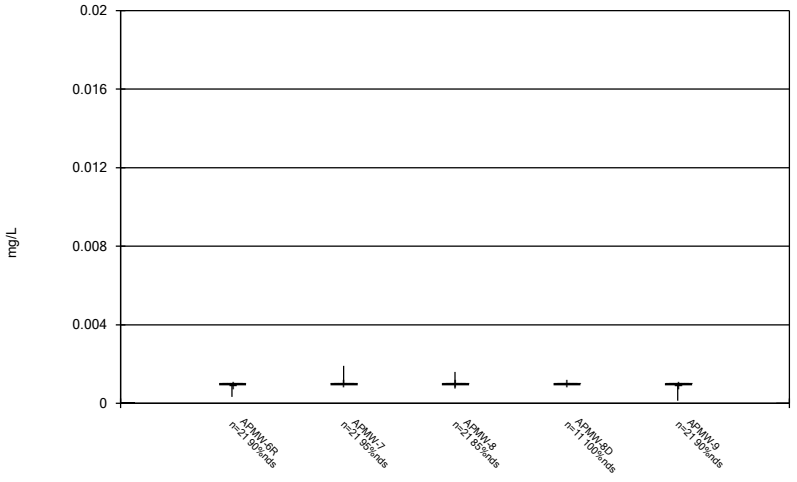


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

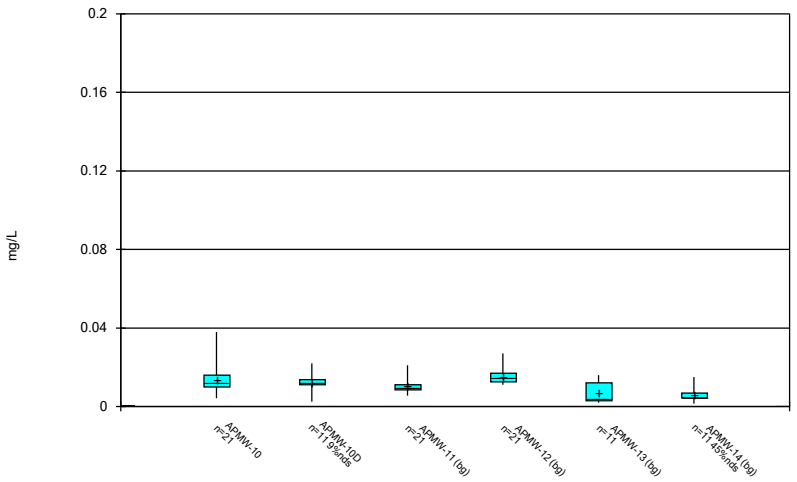
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

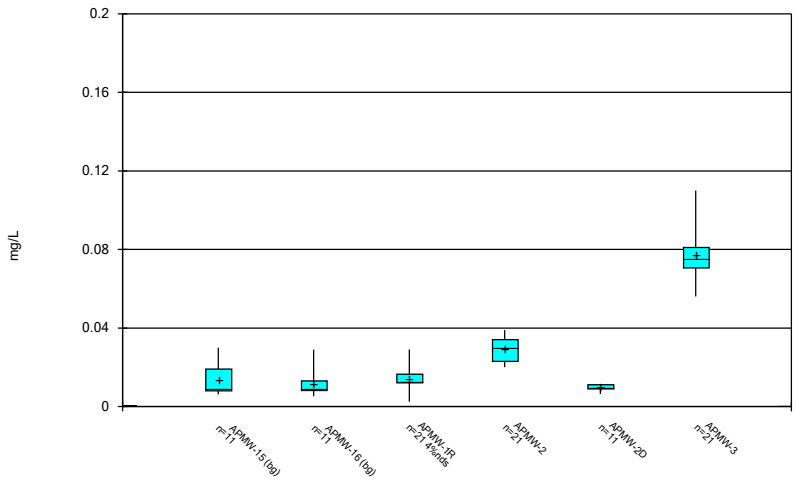


Constituent: Lithium Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

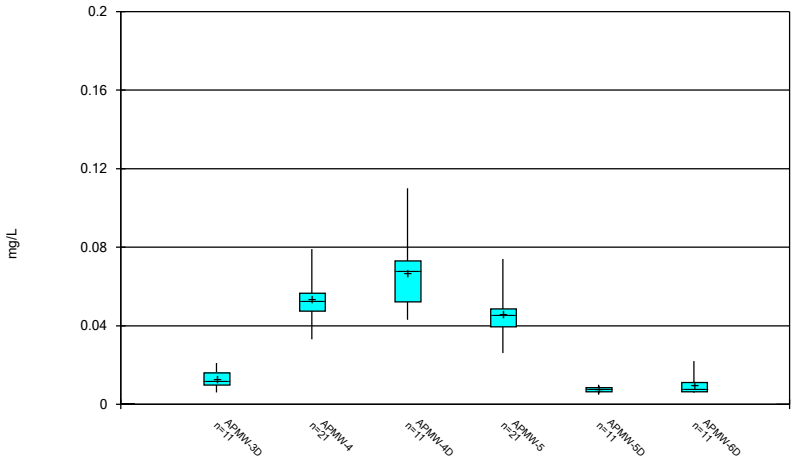


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

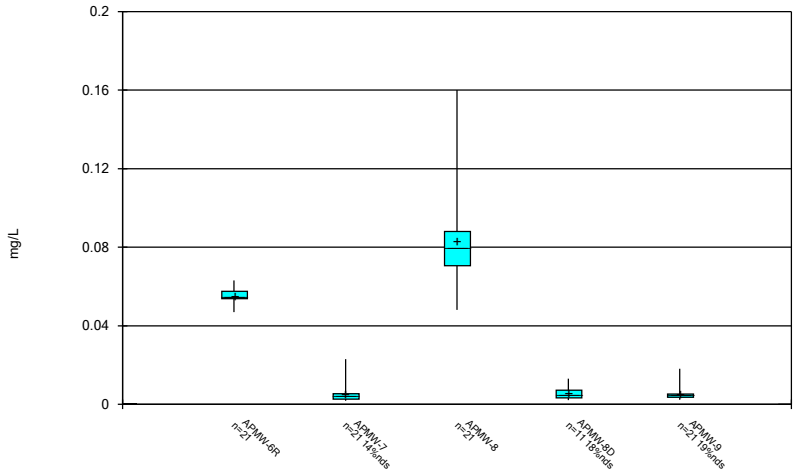


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

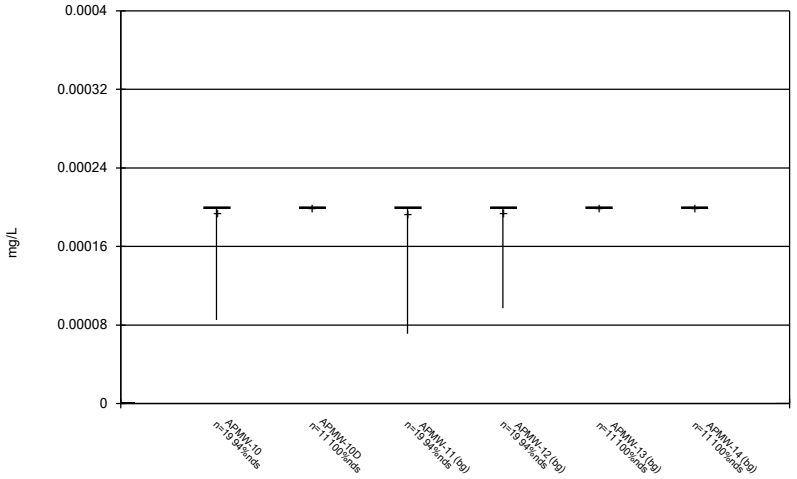
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

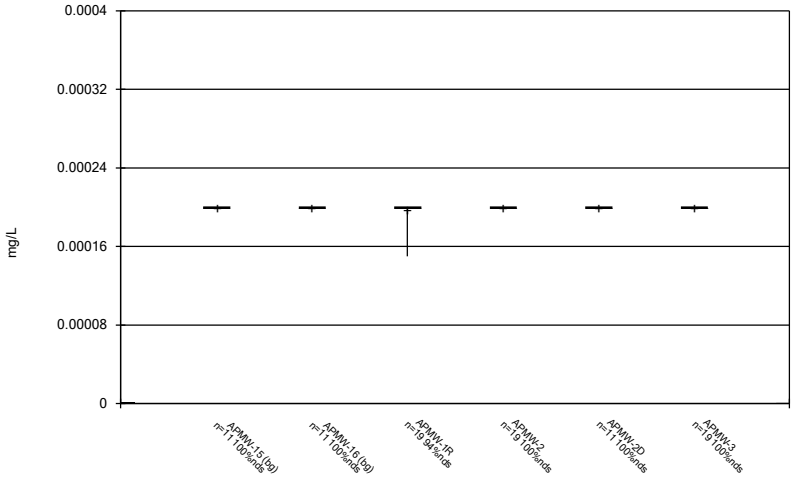


Constituent: Mercury Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

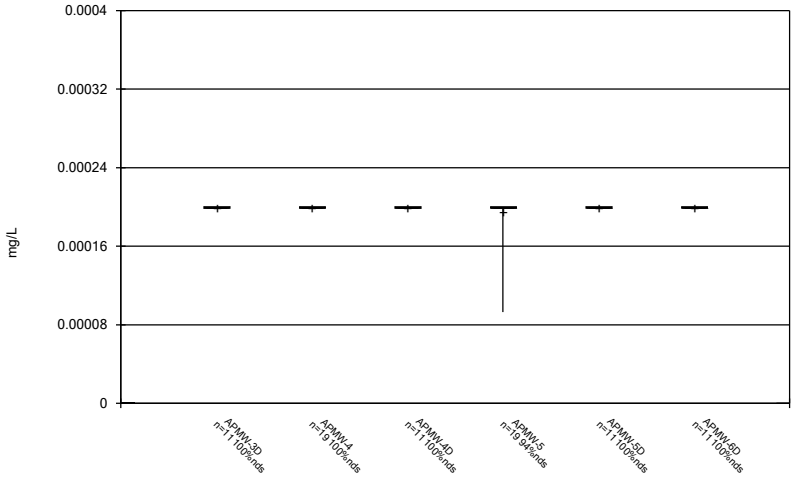


Constituent: Mercury Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

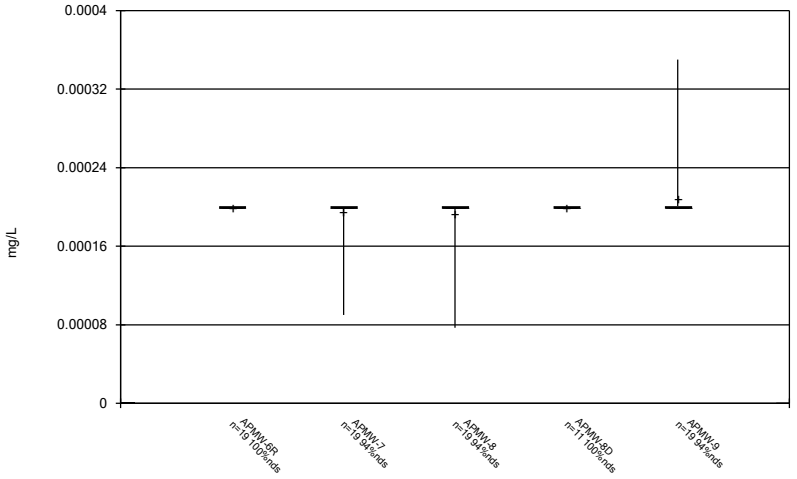


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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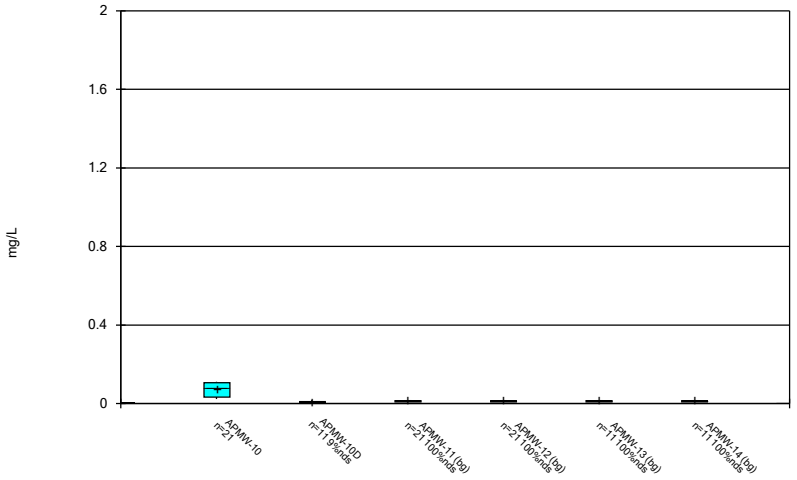
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

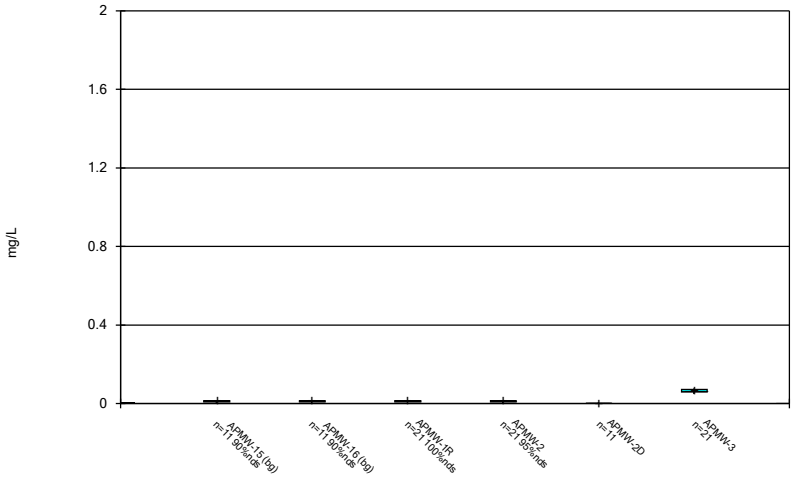


Constituent: Molybdenum Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

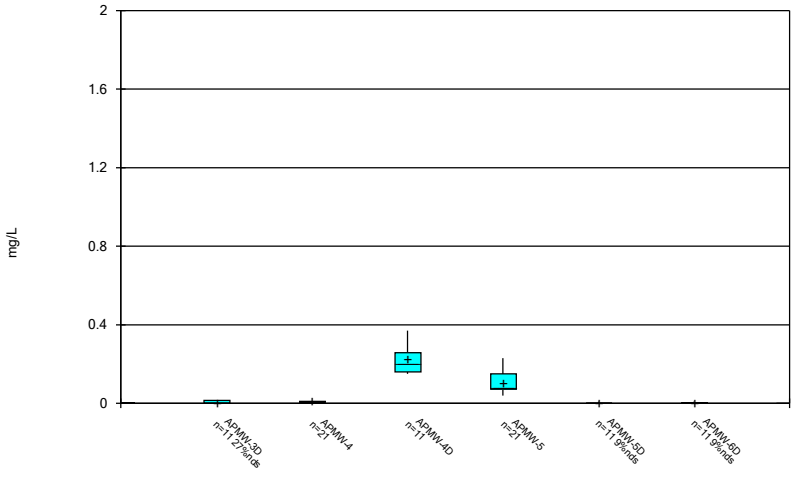


Constituent: Molybdenum Analysis Run 6/13/2025 8:31 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

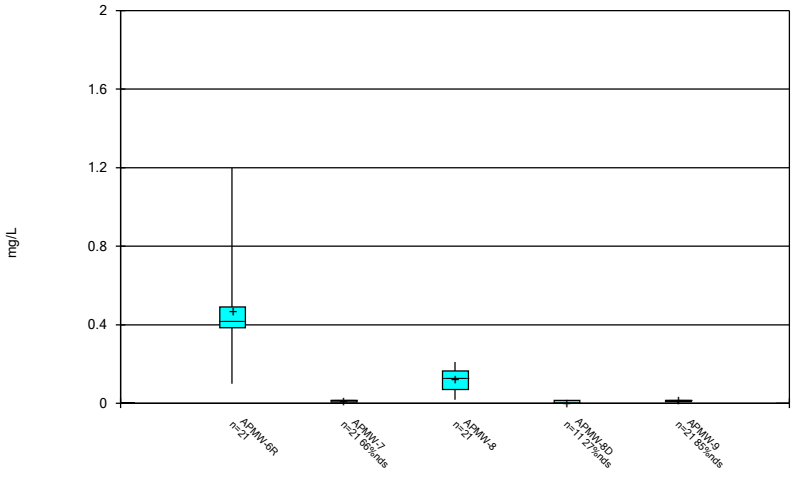


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

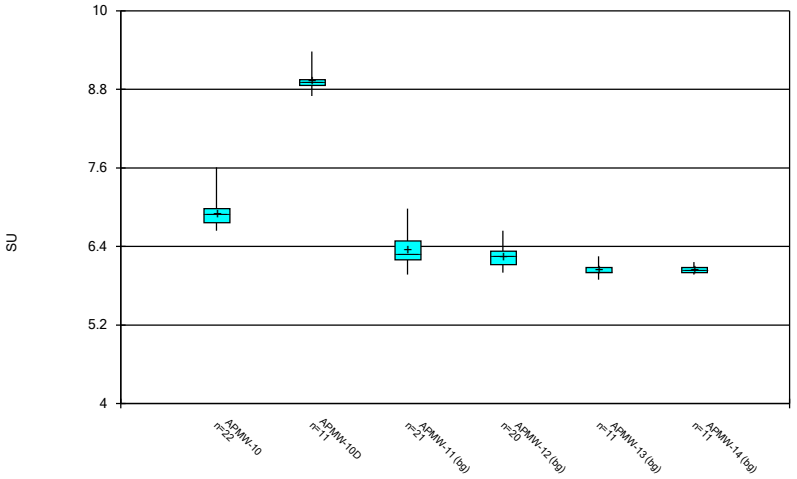
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

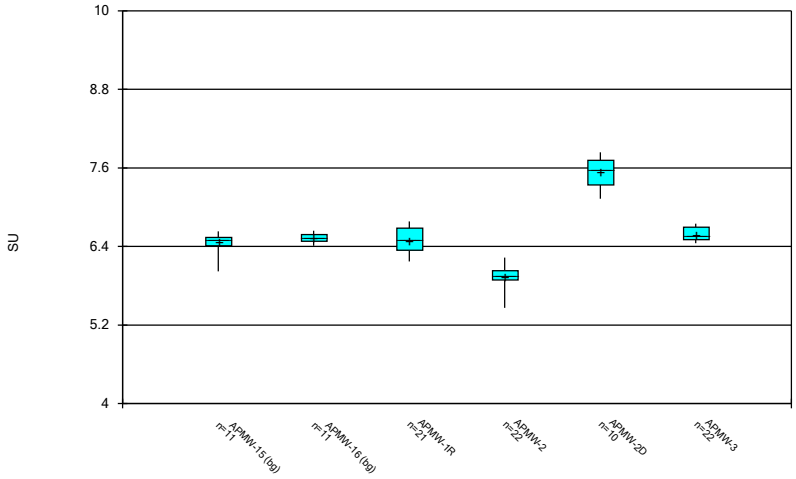


Constituent: pH Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

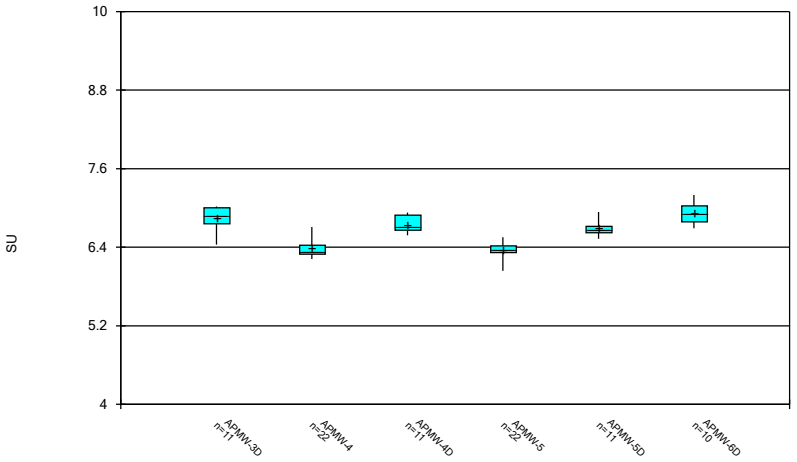


Constituent: pH Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

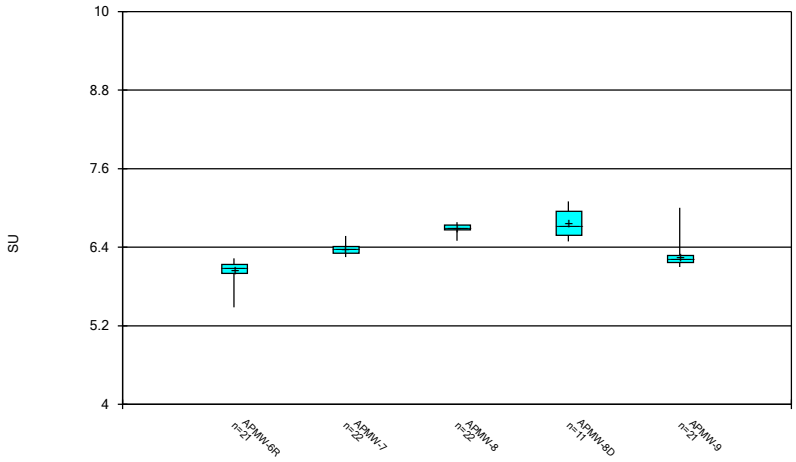


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

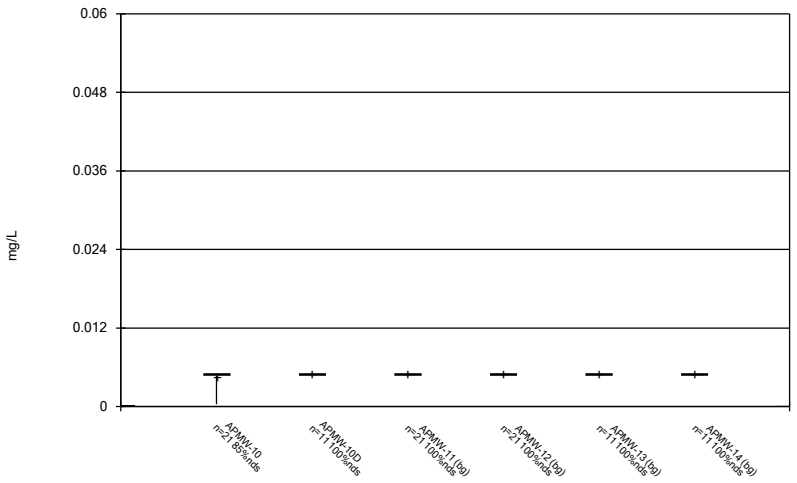
Box & Whiskers Plot



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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

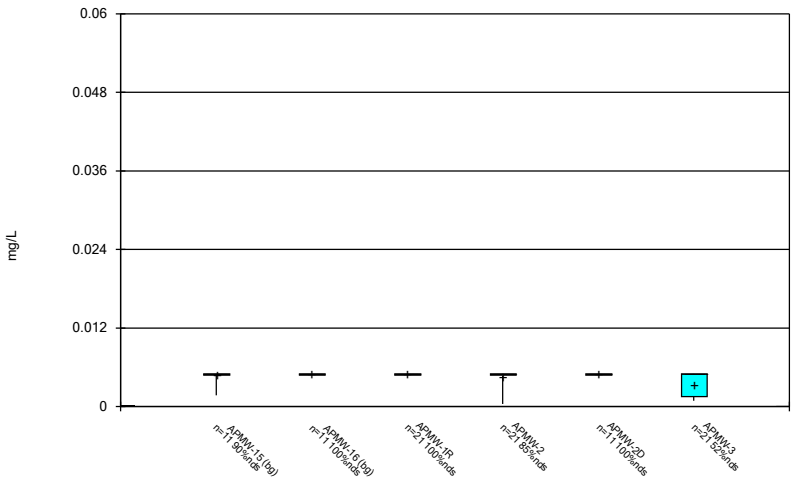


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

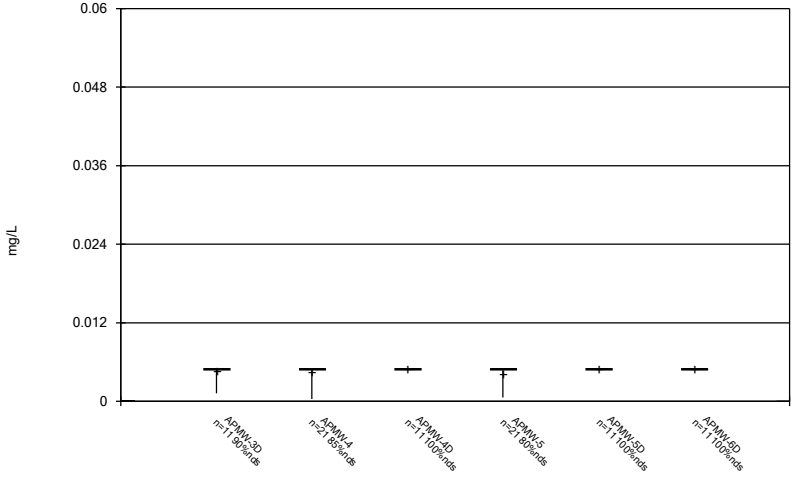


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

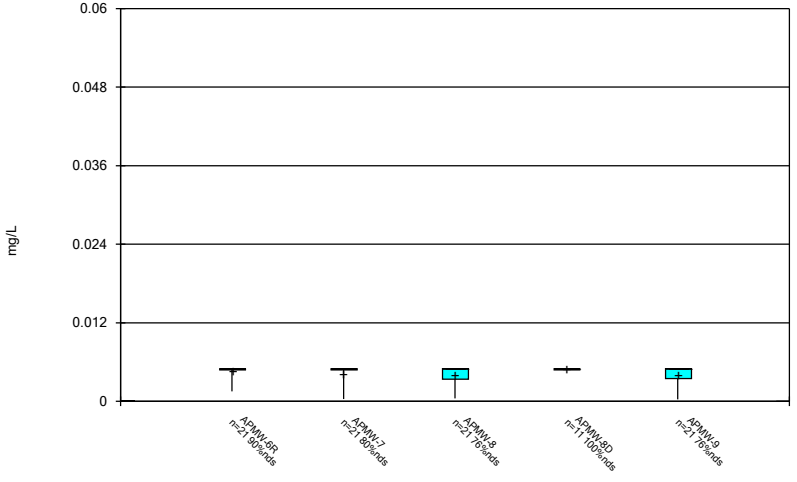


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

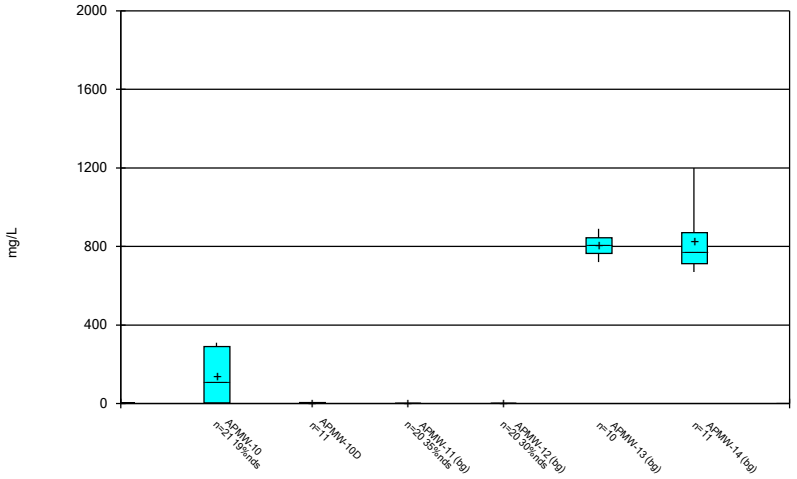
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

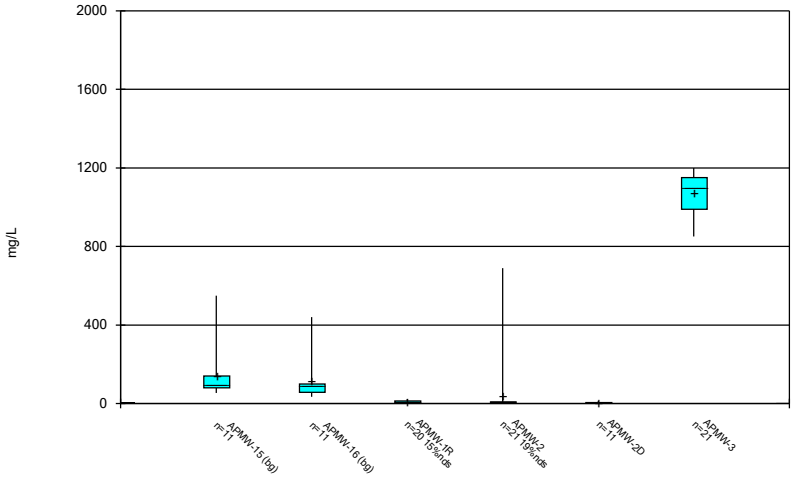


Constituent: Sulfate Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

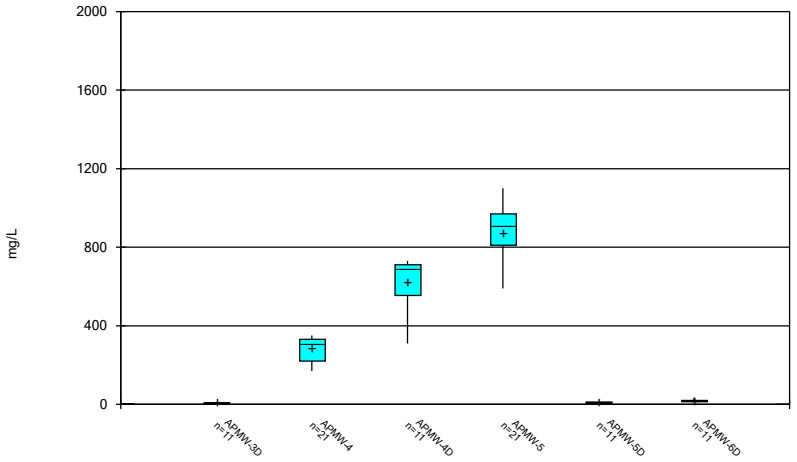


Constituent: Sulfate Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

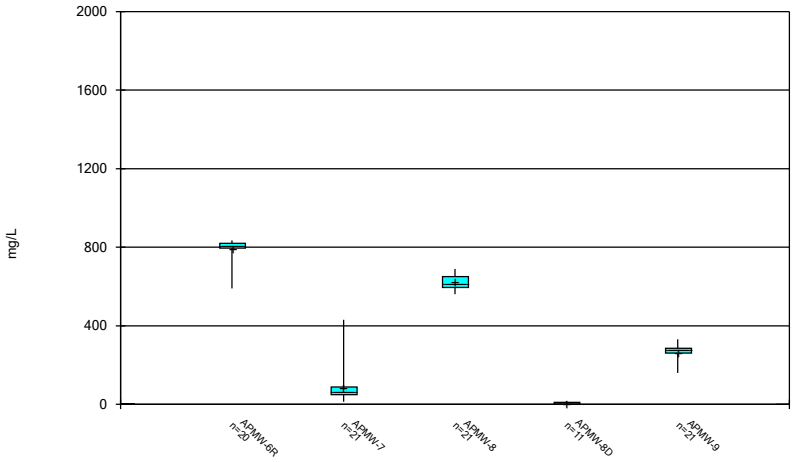


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

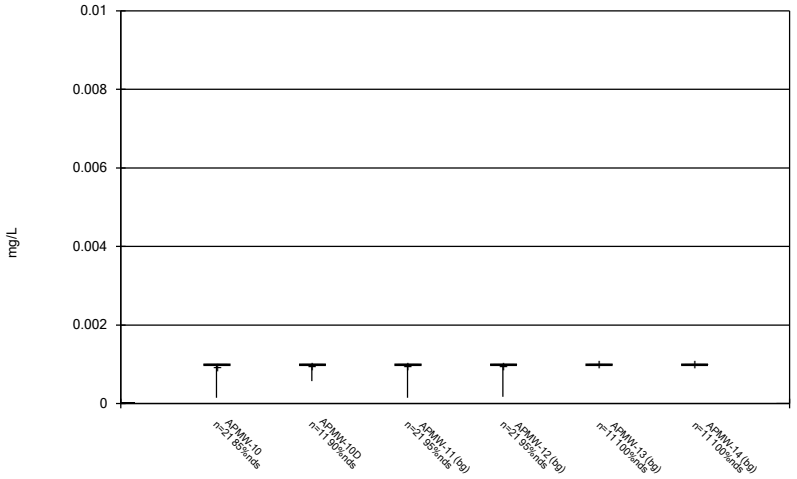
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Box & Whiskers Plot

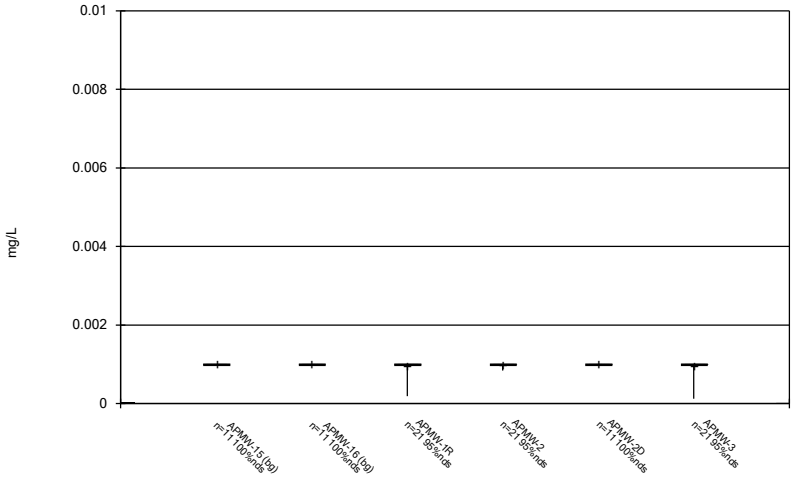


Constituent: Thallium Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

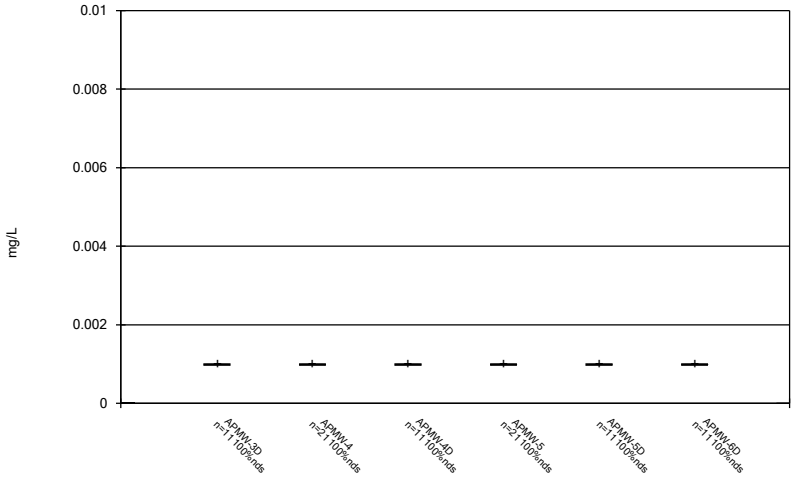


Constituent: Thallium Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

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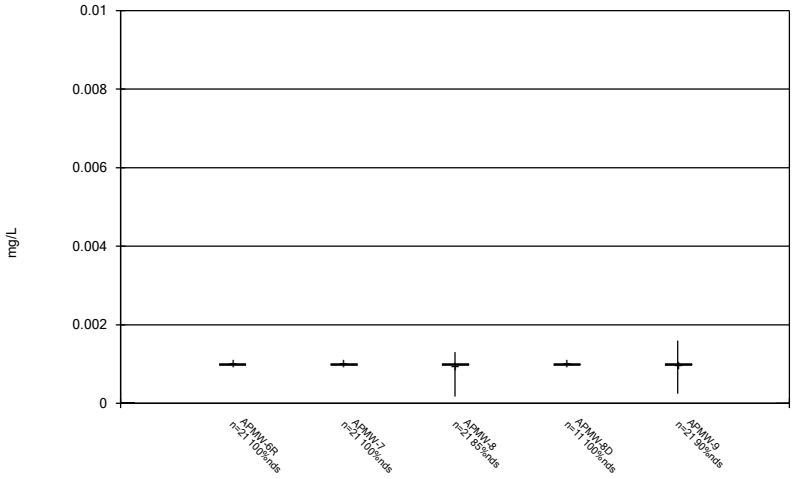


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

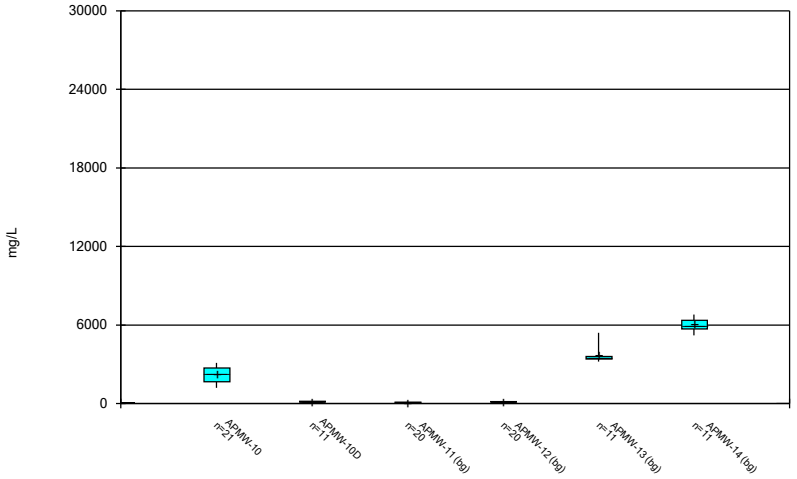
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/13/2025 8:32 PM

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

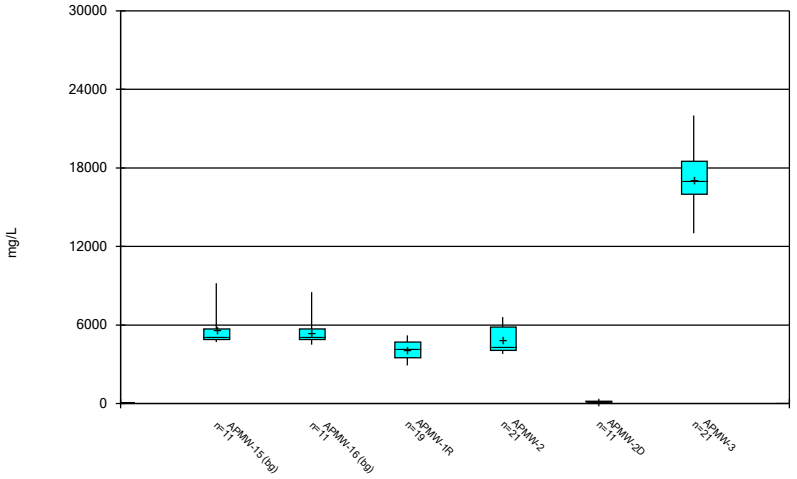
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:32 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

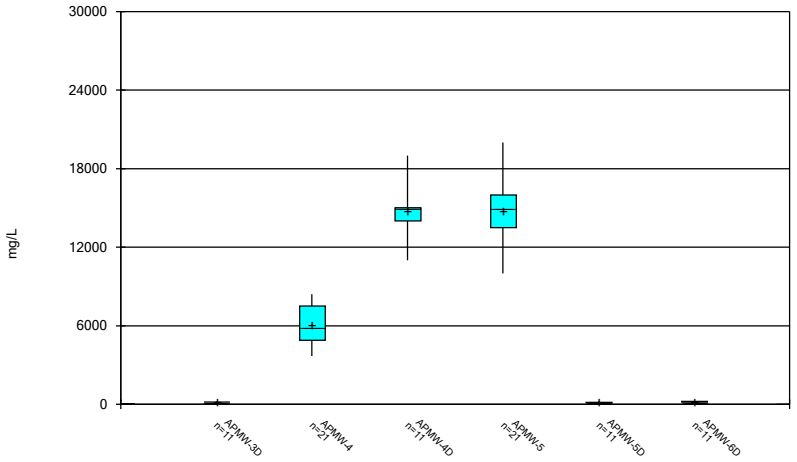
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:32 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

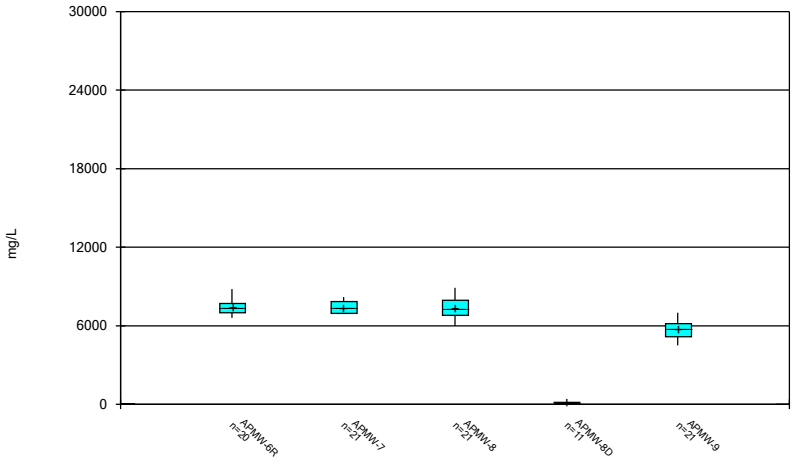
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:32 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:32 PM
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE C.

Outlier Summary

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:27 PM

	APMW-2 Fluoride (mg/L)	APMW-6R Fluoride (mg/L)	APMW-8 Fluoride (mg/L)	APMW-13 Sulfate (mg/L)
12/7/2018	4.3 (o)			
11/4/2020				1700 (o)
4/6/2022			16 (o)	
4/7/2022		6.4 (o)		

Tukey's Outlier Test - All Results (No Significant)

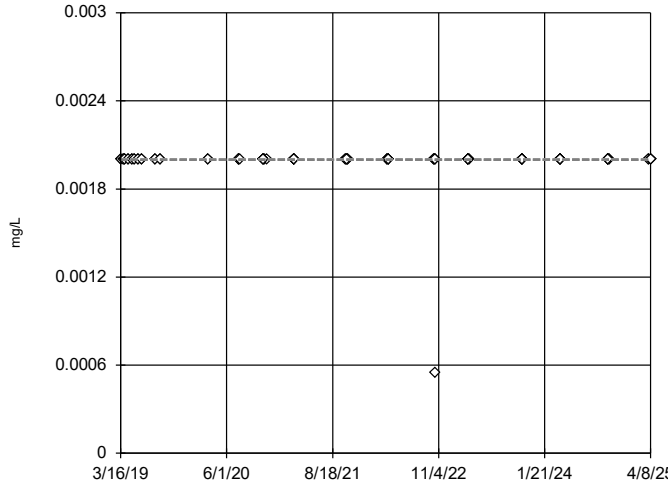
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:04 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.001983	0.0001564	unknown	ShapiroFrancia
Arsenic (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	86	0.002839	0.002084	ln(x)	ShapiroFrancia
Barium (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	86	0.1001	0.07094	ln(x)	ShapiroFrancia
Beryllium (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.002394	0.000484	unknown	ShapiroFrancia
Boron (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	84	0.4085	0.349	ln(x)	ShapiroFrancia
Cadmium (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.002475	0.0002313	unknown	ShapiroFrancia
Calcium (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	84	54.11	44.28	normal	ShapiroFrancia
Chloride (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	84	1452	1529	normal	ShapiroFrancia
Chromium (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	82	0.002004	0.0003834	unknown	ShapiroFrancia
Cobalt (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.002287	0.0006307	unknown	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	86	1.734	1.601	ln(x)	ShapiroFrancia
Fluoride (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	86	0.155	0.1099	ln(x)	ShapiroFrancia
Lead (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.000986	0.00009756	unknown	ShapiroFrancia
Lithium (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	86	0.01083	0.006083	sqrt(x)	ShapiroFrancia
Mercury (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	82	0.0001972	0.00001812	unknown	ShapiroFrancia
Molybdenum (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.01467	0.002144	unknown	ShapiroFrancia
pH (SU)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	85	6.293	0.236	ln(x)	ShapiroFrancia
Selenium (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.004962	0.0003558	unknown	ShapiroFrancia
Sulfate (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	84	258.8	385.8	ln(x)	ShapiroFrancia
Thallium (mg/L)	APMW-11,APMW-12,A...	n/a	n/a	NP	NaN	86	0.0009805	0.0001274	unknown	ShapiroFrancia
Total Dissolved Solids (mg/L)	APMW-11,APMW-12,A...	No	n/a	NP	NaN	84	2759	2698	normal	ShapiroFrancia

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

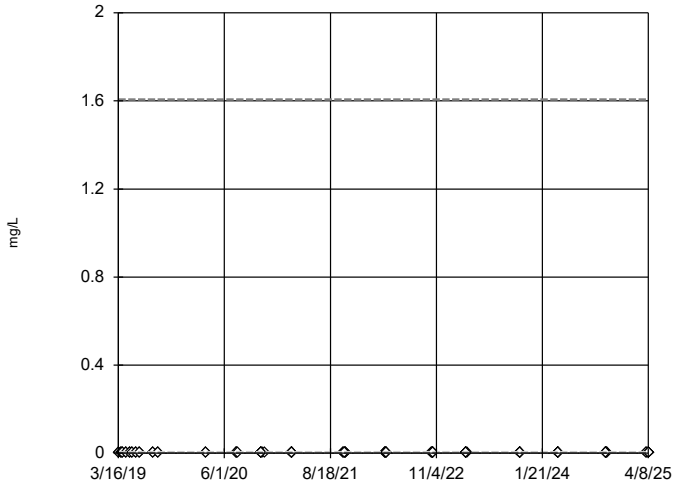
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

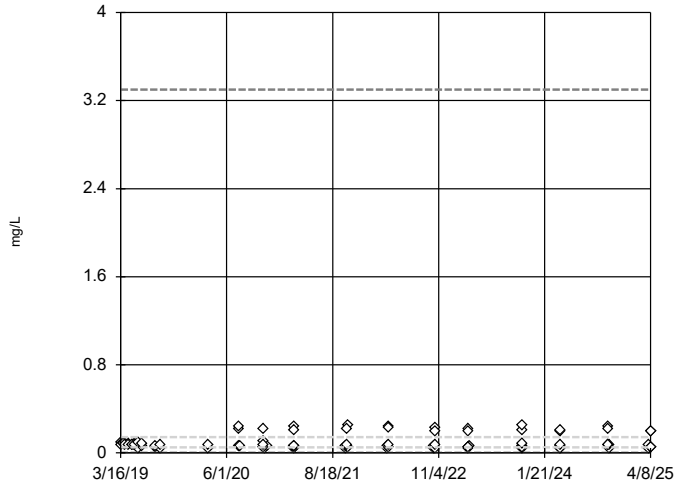
High cutoff = 1.607, low cutoff = 0.000002272, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

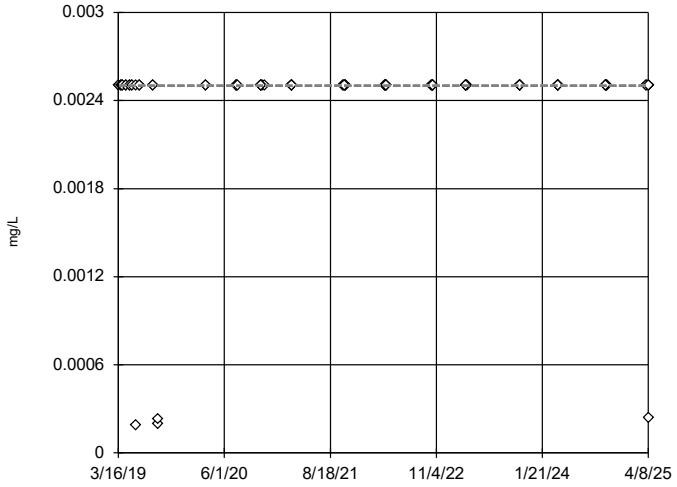
High cutoff = 3.301, low cutoff = 0.002232, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

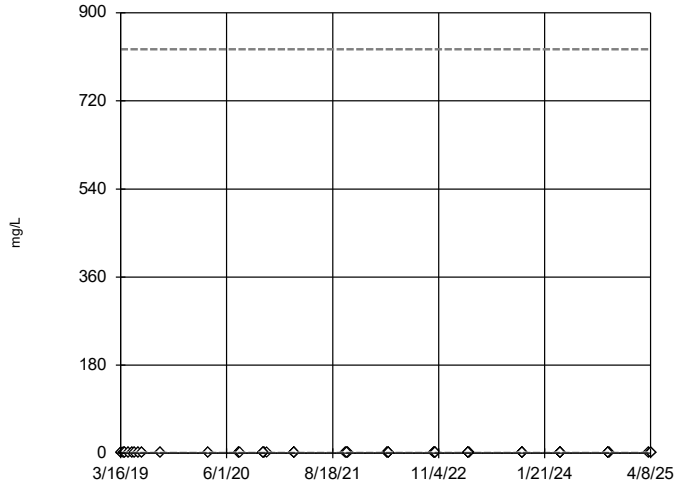
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 84

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

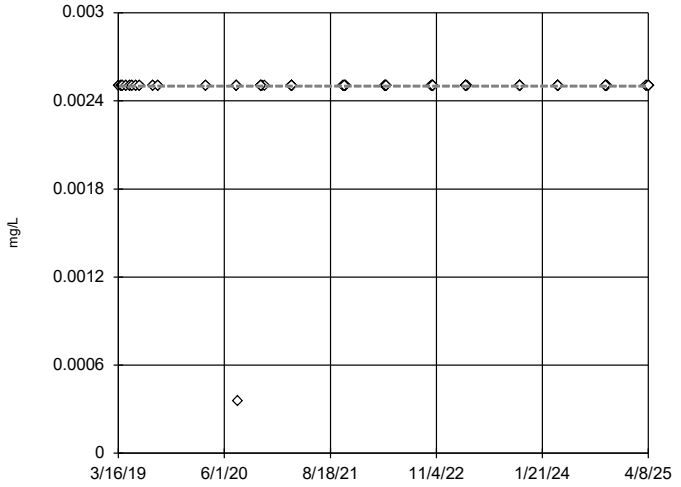
High cutoff = 825.3, low cutoff = 0.0000581, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

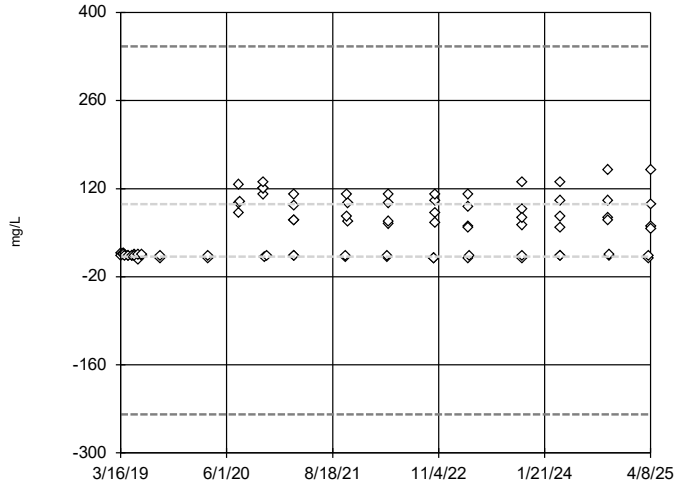
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 84

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

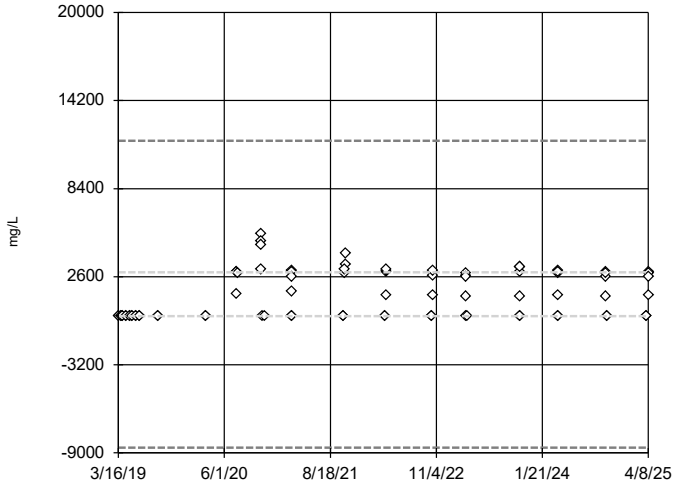
High cutoff = 346, low cutoff = -238.5, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 84

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

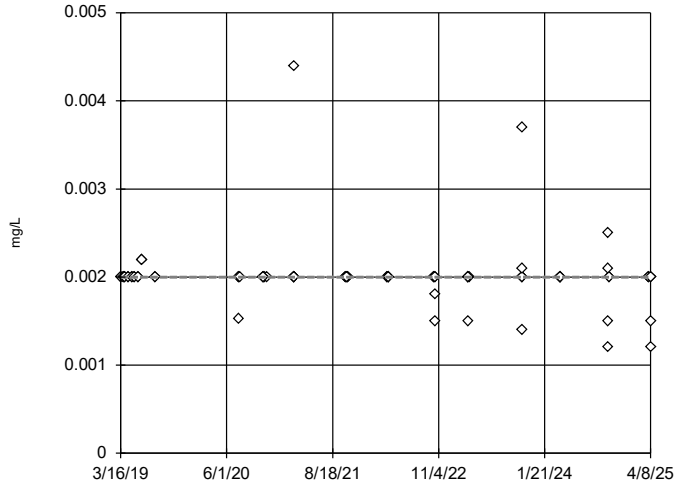
High cutoff = 11561, low cutoff = -8648, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 82

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

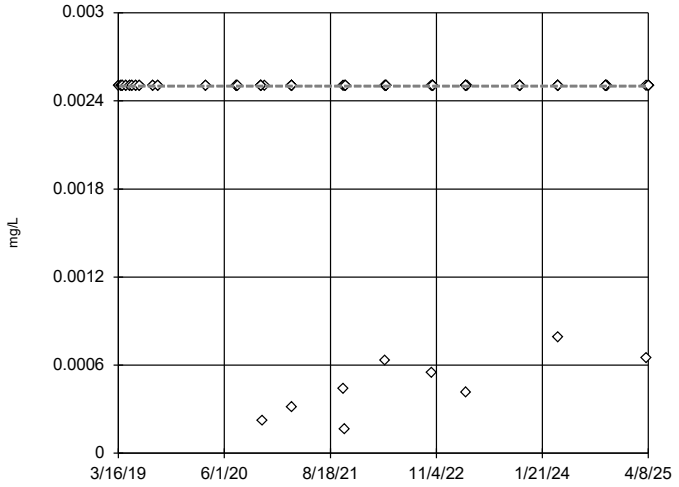
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 6/16/2025 12:03 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

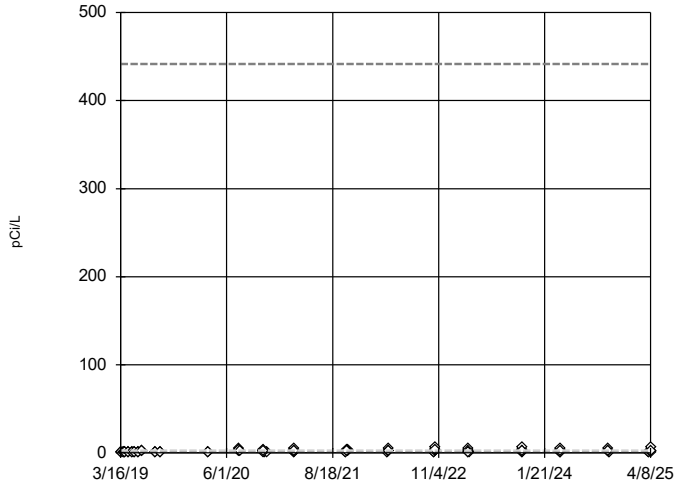
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

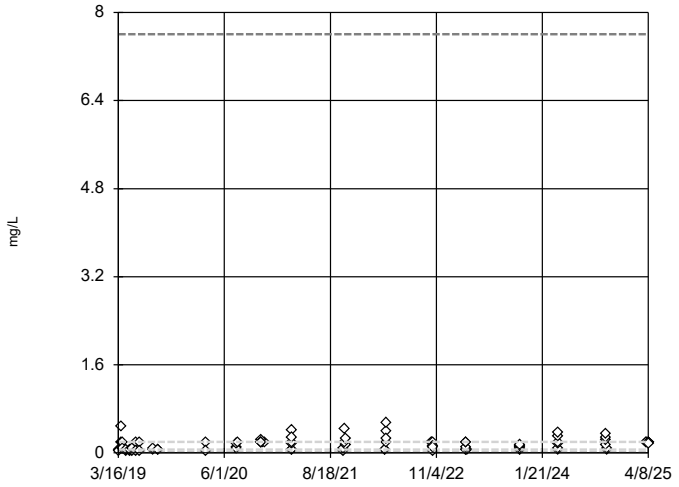
High cutoff = 441.6, low cutoff = 0.00269, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

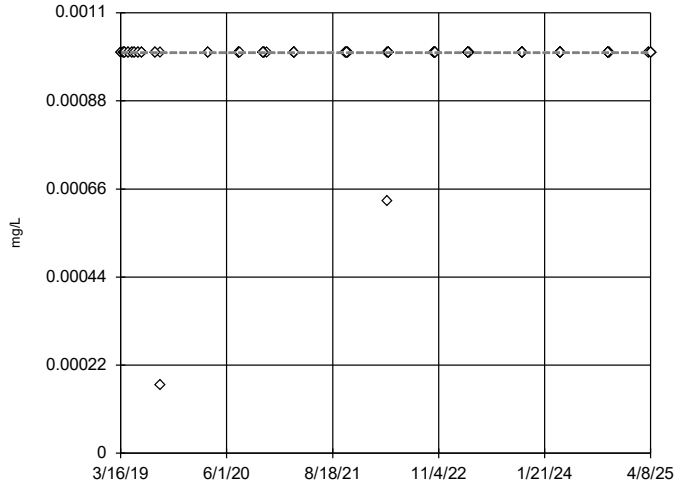
High cutoff = 7.603, low cutoff = 0.001565, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

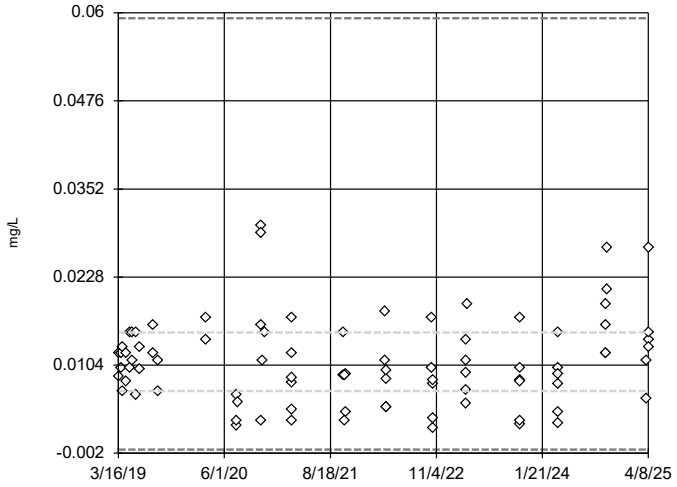
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

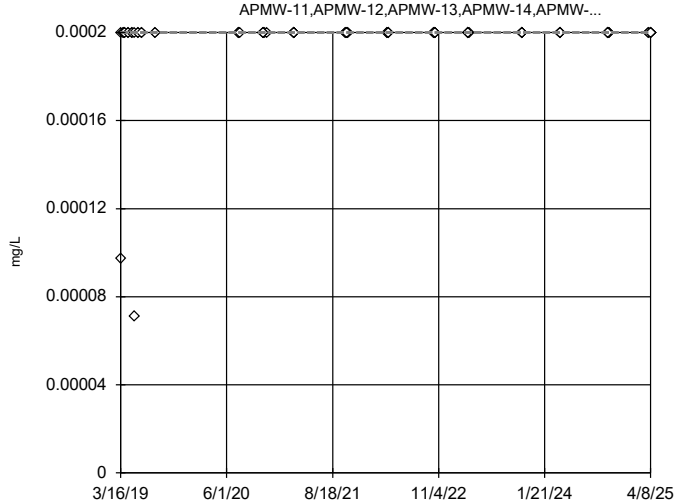
High cutoff = 0.05926, low cutoff = -0.001505, based on IQR multiplier of 3.

Constituent: Lithium Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 82

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

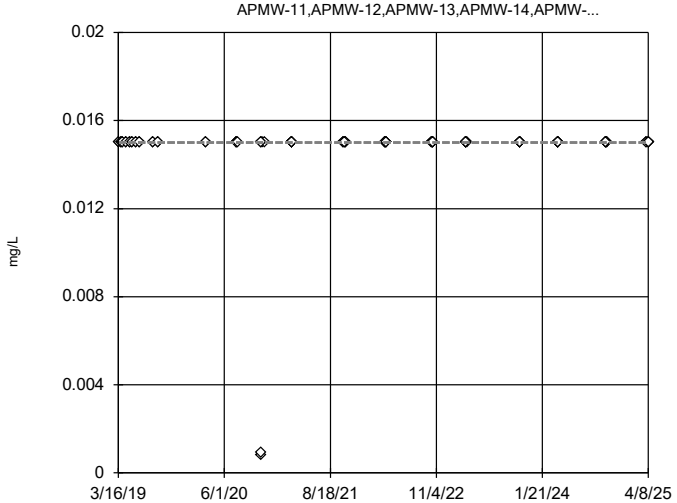
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

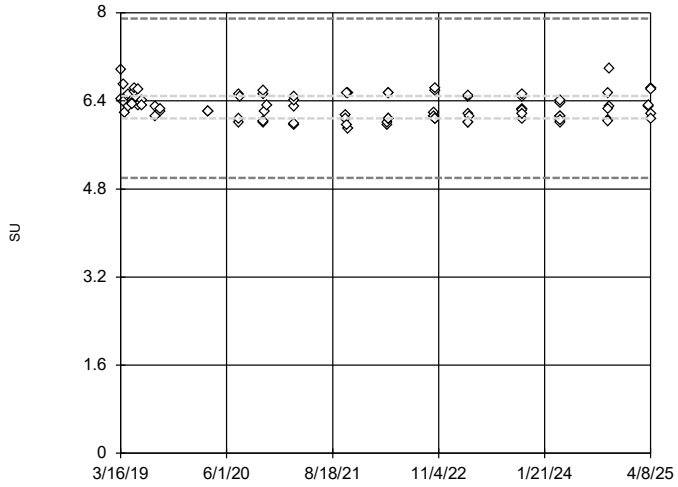
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 85

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.893, low cutoff = 4.999, based on IQR multiplier of 3.

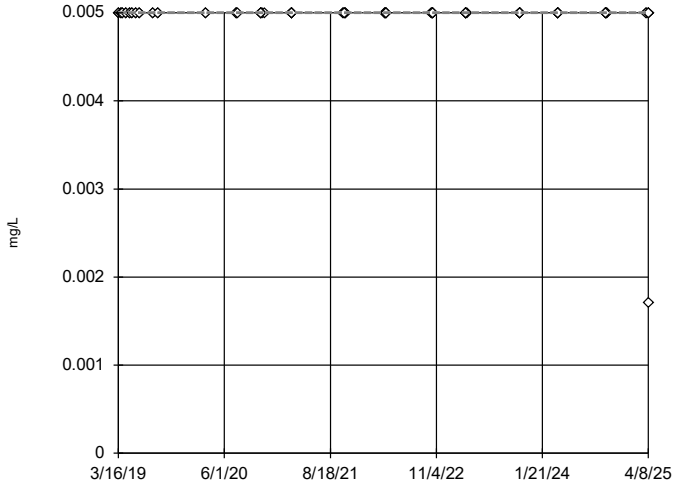
Constituent: pH Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

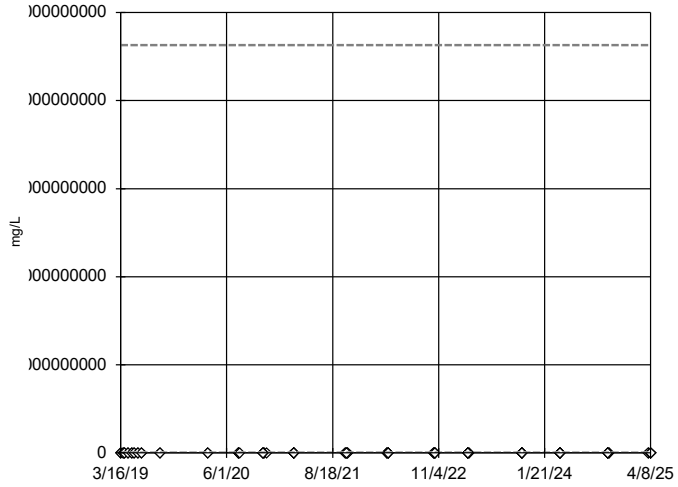
Constituent: Selenium Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 84

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.9e11, low cutoff = 3.8e-9, based on IQR multiplier of 3.

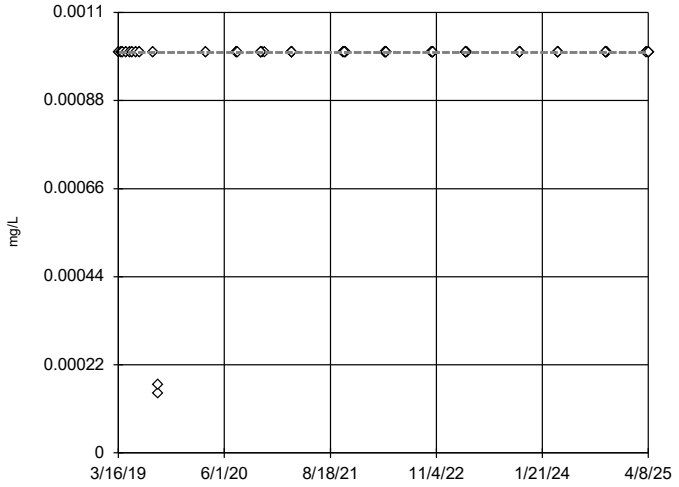
Constituent: Sulfate Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 86

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

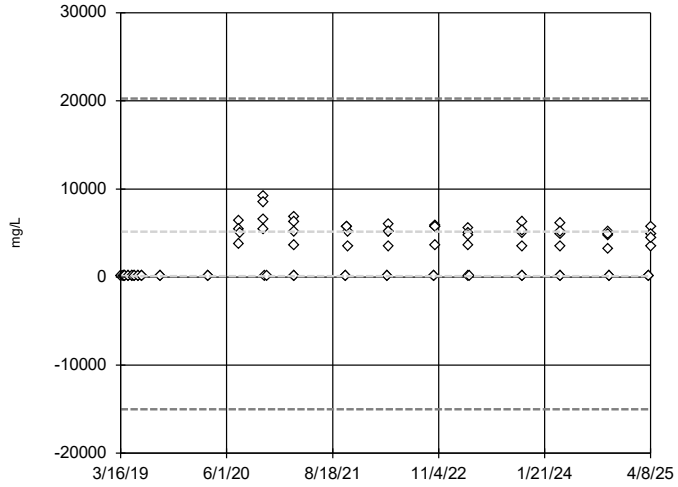
Constituent: Thallium Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Tukey's Outlier Screening, Pooled Background

APMW-11,APMW-12,APMW-13,APMW-14,APMW-...



n = 84

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 20255, low cutoff = -14990, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:04 PM View: Tukey's Outlier Test

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE D.

Appendix III Upgradient Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**

Appendix III Upgradient Trend Tests - All Results

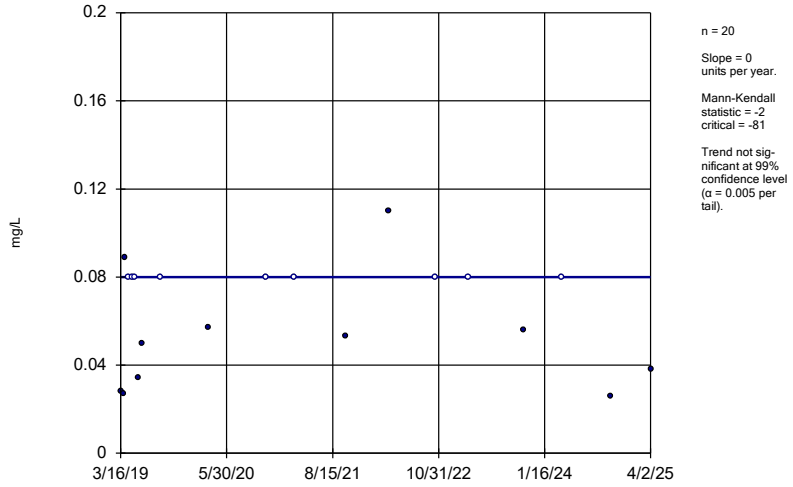
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	-2	-81	No	20	45	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.0008779	34	81	No	20	30	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.003826	-4	-34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01508	11	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.01935	15	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0277	12	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.6834	-70	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-51	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.5603	-8	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	4.875	21	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.011	-32	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.607	-24	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.04955	-26	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1836	-69	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-64.5	-28	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-29.44	-13	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-23	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-98.92	-15	-34	No	11	0	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	15	87	No	21	38.1	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	0.001442	14	87	No	21	14.29	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	0.003349	3	34	No	11	0	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	6	34	No	11	45.45	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.006766	5	34	No	11	9.091	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.01357	1	34	No	11	9.091	n/a	0.01	NP
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.04	-65	-81	No	20	0	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.03504	23	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.005069	9	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01138	-7	-34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00766	5	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.01917	-30	-81	No	20	35	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.04844	-71	-81	No	20	30	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	7.213	10	30	No	10	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	81.79	33	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	2.451	6	34	No	11	0	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	7.522	18	34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.775	-76	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-4.078	-70	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-79.26	-28	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-200.3	-24	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-199.5	-21	-34	No	11	0	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -81

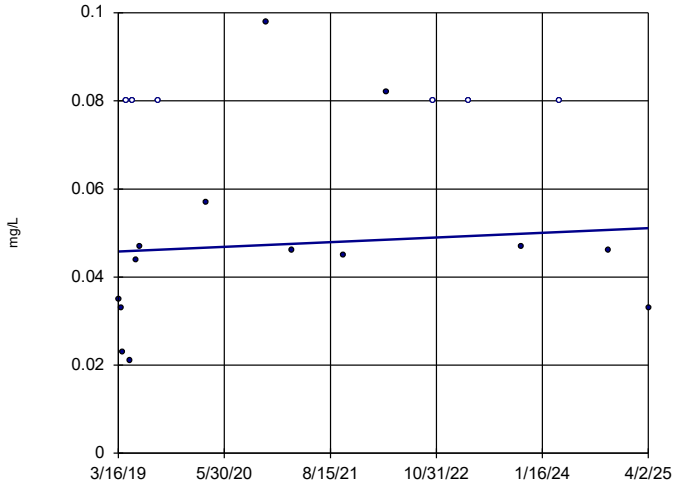
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = 0.0008779 units per year.

Mann-Kendall statistic = 34
critical = 81

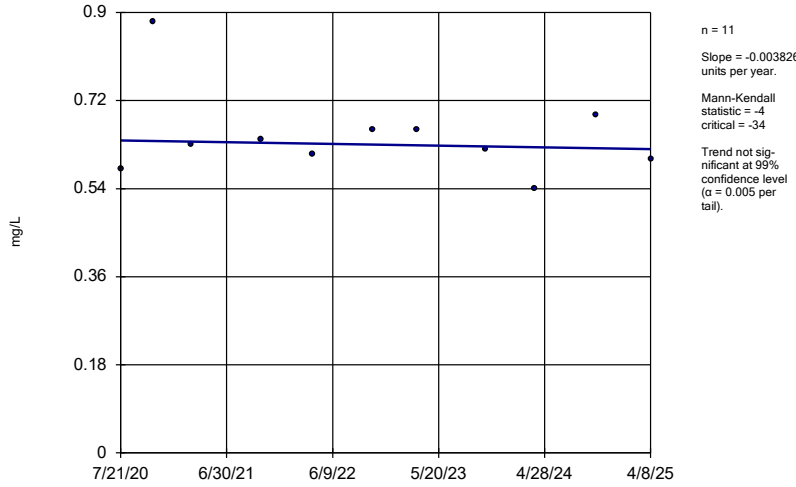
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.003826 units per year.

Mann-Kendall statistic = -4
critical = -34

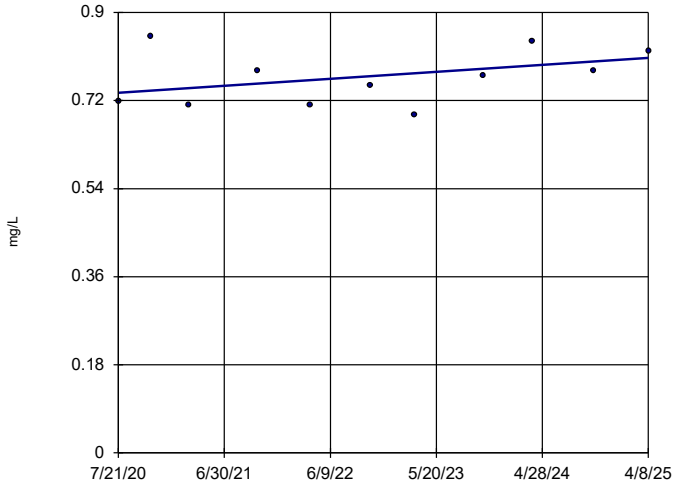
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.01508 units per year.

Mann-Kendall statistic = 11
critical = 34

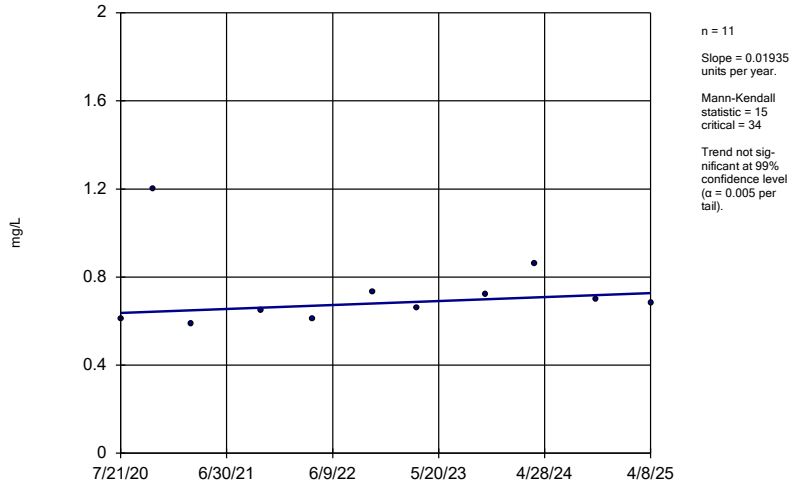
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.01935 units per year.

Mann-Kendall statistic = 15 critical = 34

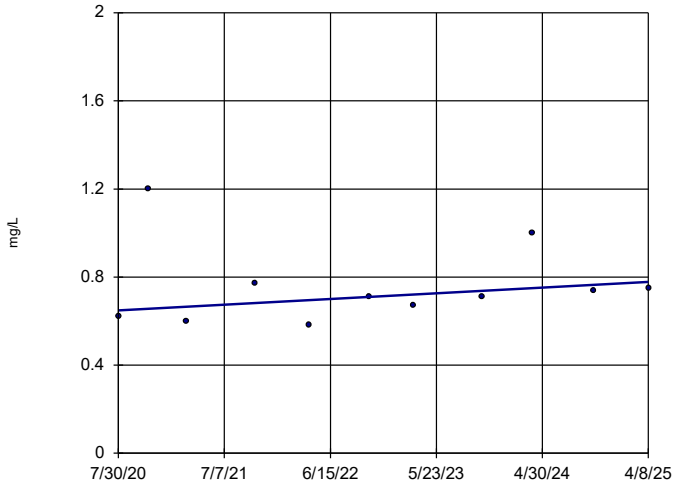
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.0277 units per year.

Mann-Kendall statistic = 12 critical = 34

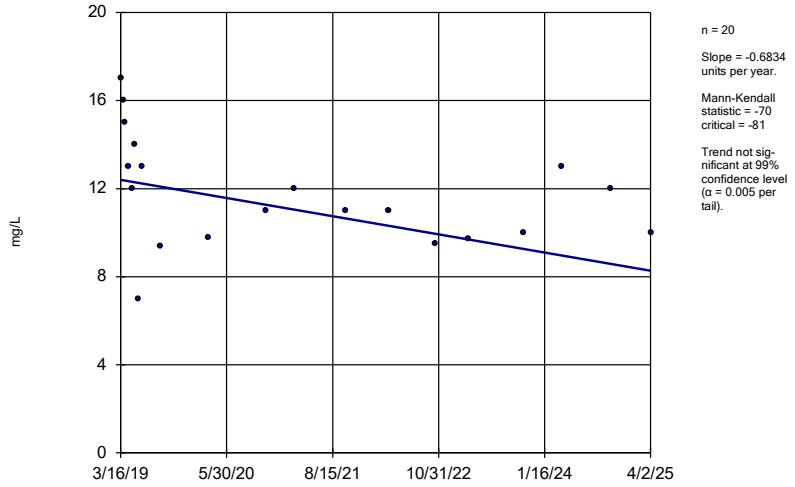
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.6834 units per year.

Mann-Kendall statistic = -70 critical = -81

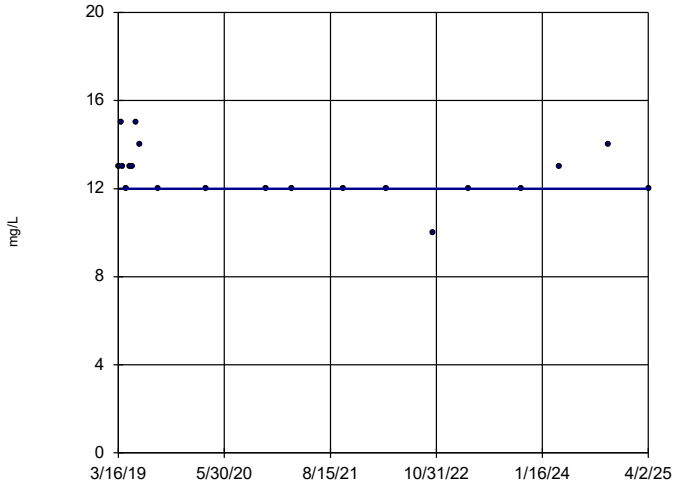
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -51 critical = -81

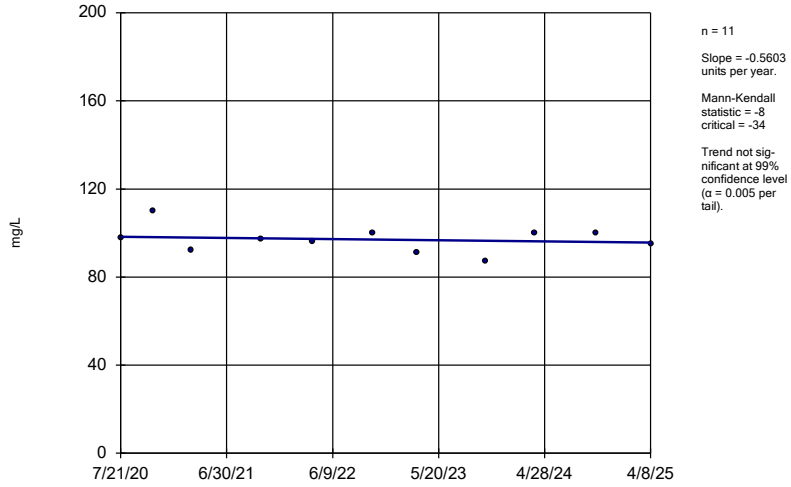
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.5603 units per year.

Mann-Kendall statistic = -8
critical = -34

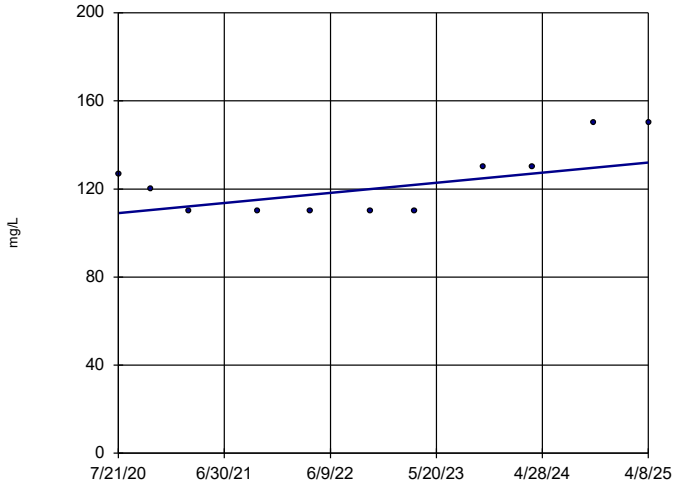
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 4.875 units per year.

Mann-Kendall statistic = 21
critical = 34

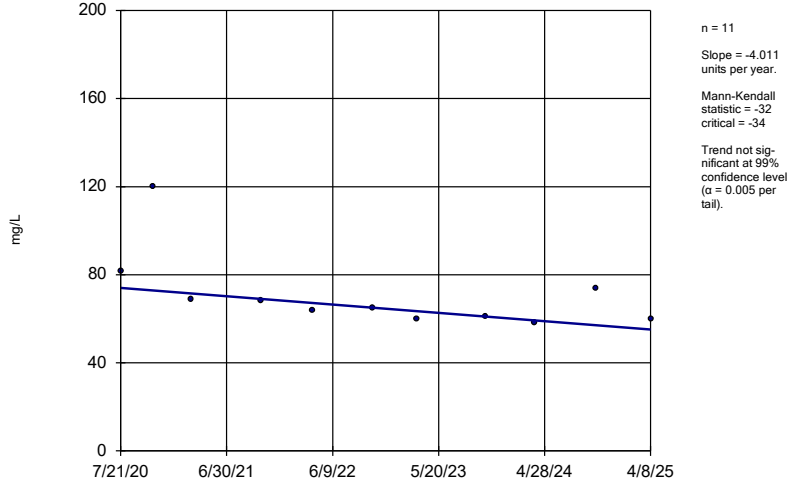
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -4.011 units per year.

Mann-Kendall statistic = -32
critical = -34

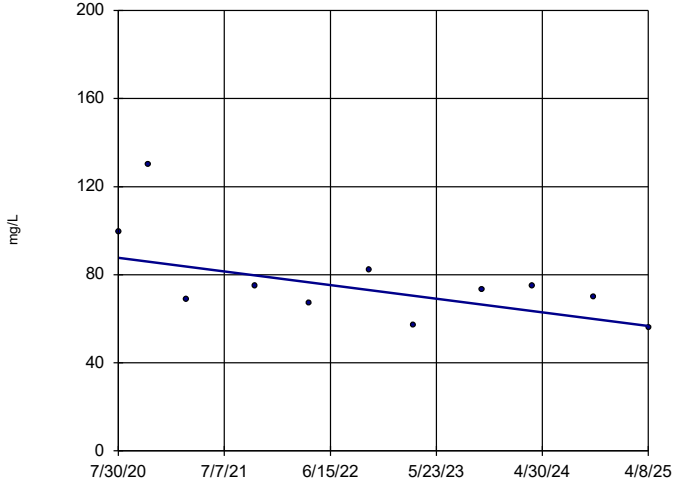
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -6.607 units per year.

Mann-Kendall statistic = -24
critical = -34

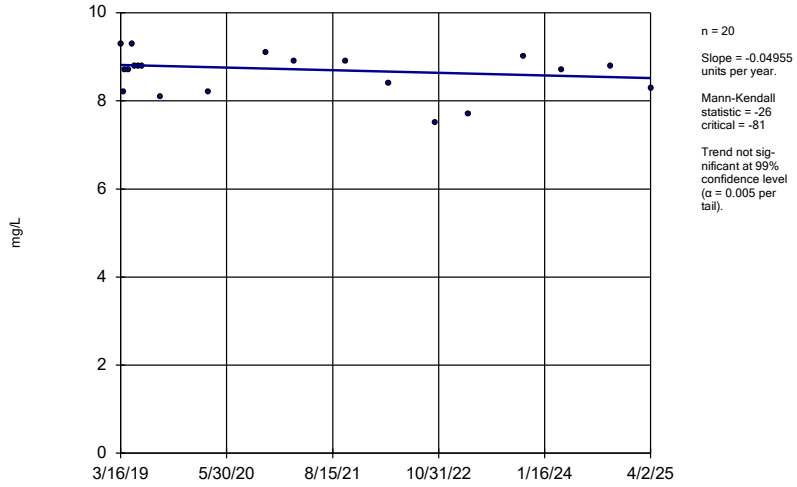
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.04955 units per year.

Mann-Kendall statistic = -26
critical = -81

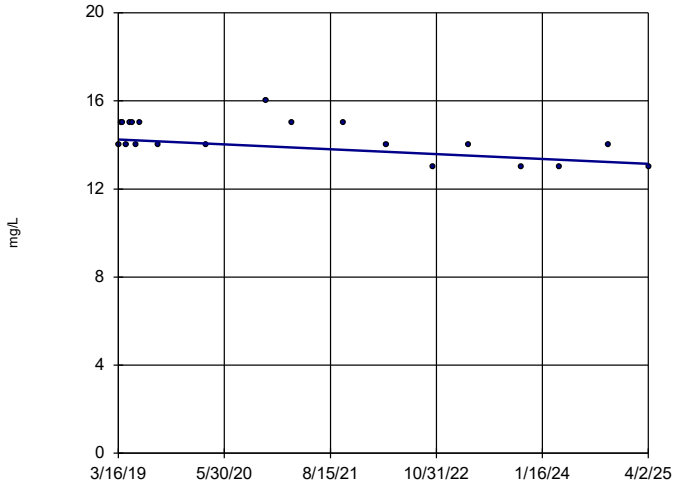
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.1836 units per year.

Mann-Kendall statistic = -69
critical = -81

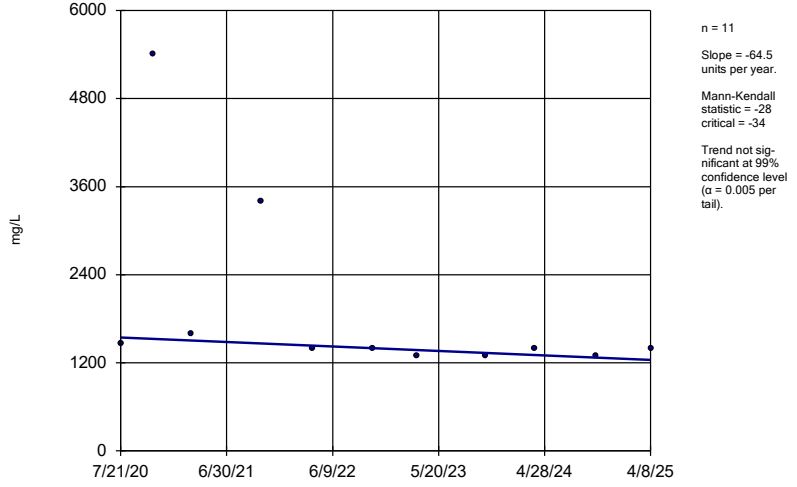
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -64.5 units per year.

Mann-Kendall statistic = -28
critical = -34

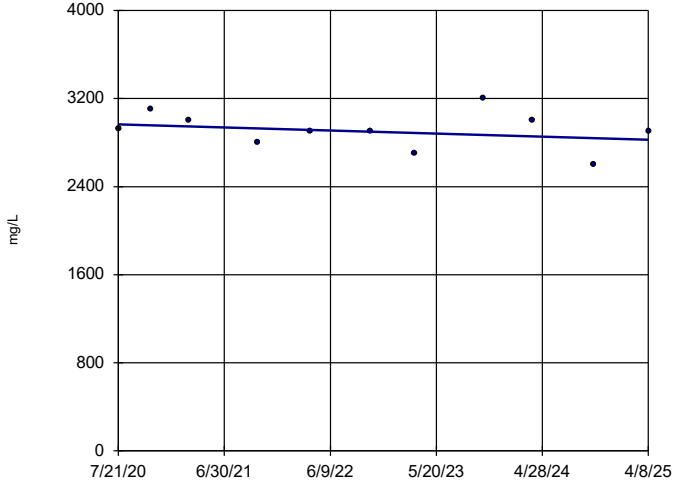
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -29.44 units per year.

Mann-Kendall statistic = -13
critical = -34

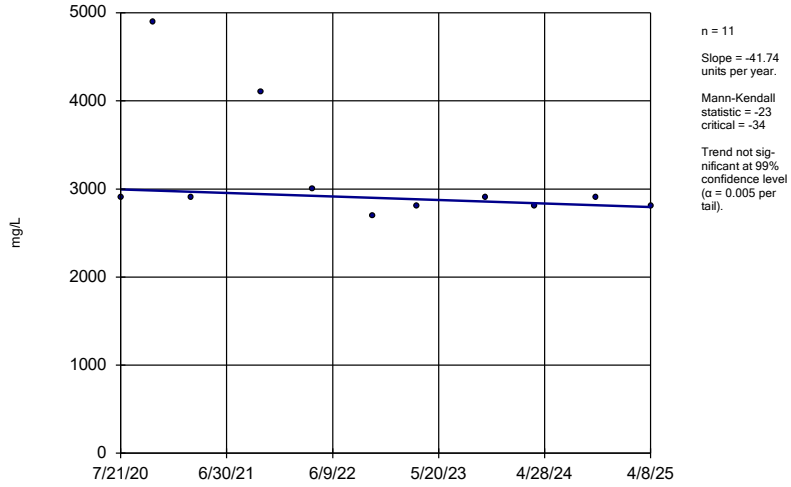
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -41.74 units per year.

Mann-Kendall statistic = -23 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

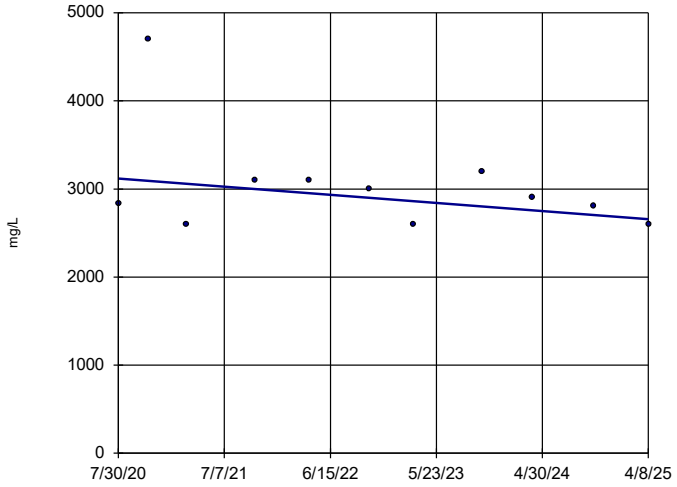
Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -98.92 units per year.

Mann-Kendall statistic = -15 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

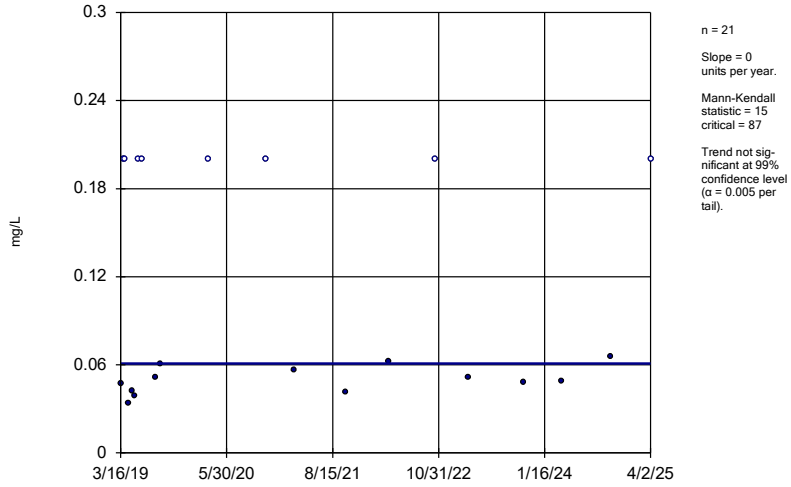
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 15 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

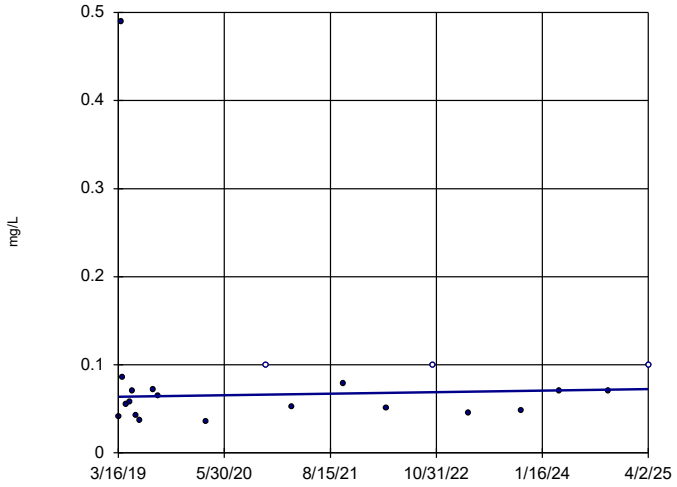
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0.001442 units per year.

Mann-Kendall statistic = 14 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

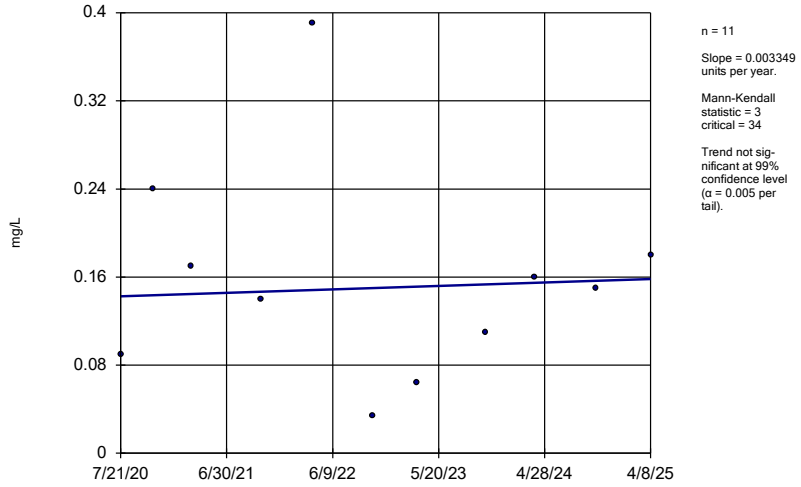
Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.003349 units per year.

Mann-Kendall statistic = 3 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

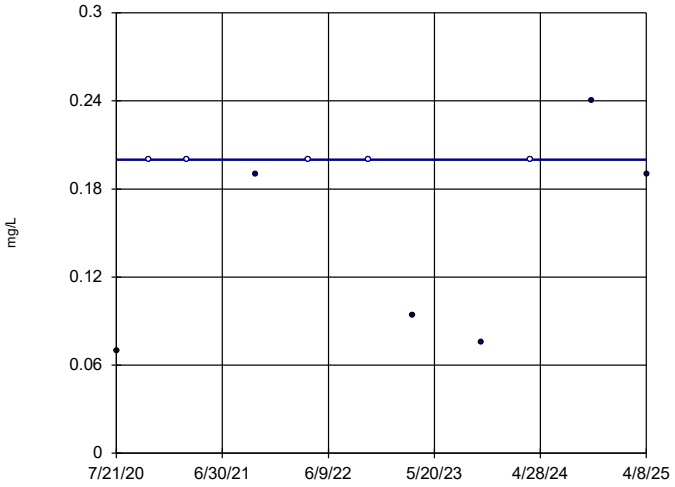
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

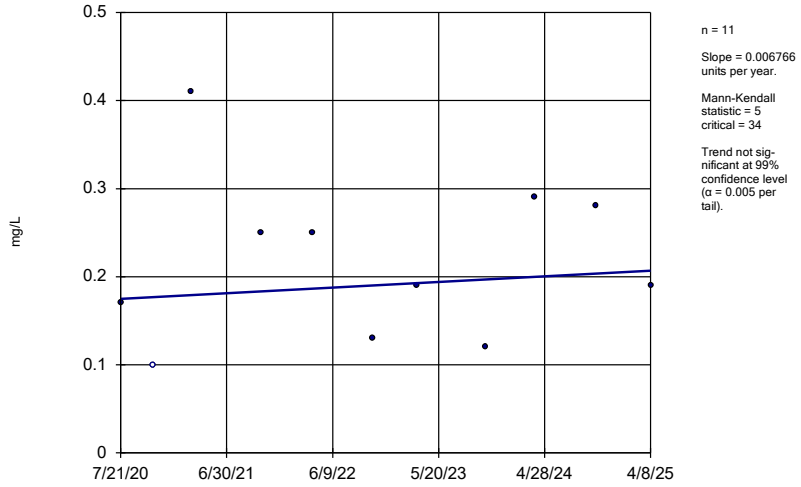
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.006766 units per year.

Mann-Kendall statistic = 5 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

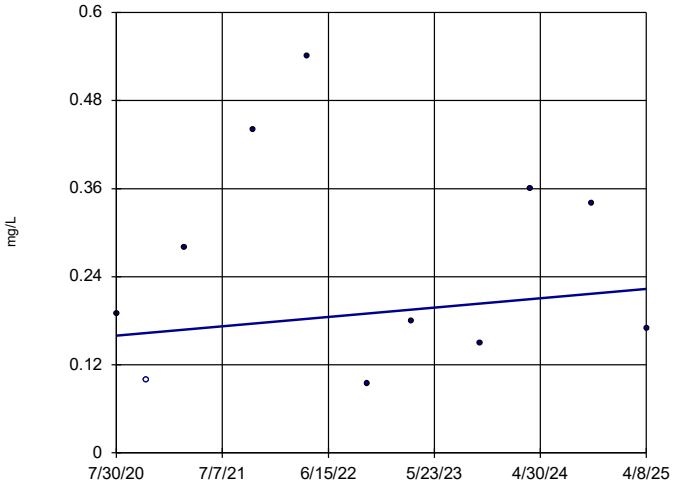
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.01357 units per year.

Mann-Kendall statistic = 1 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

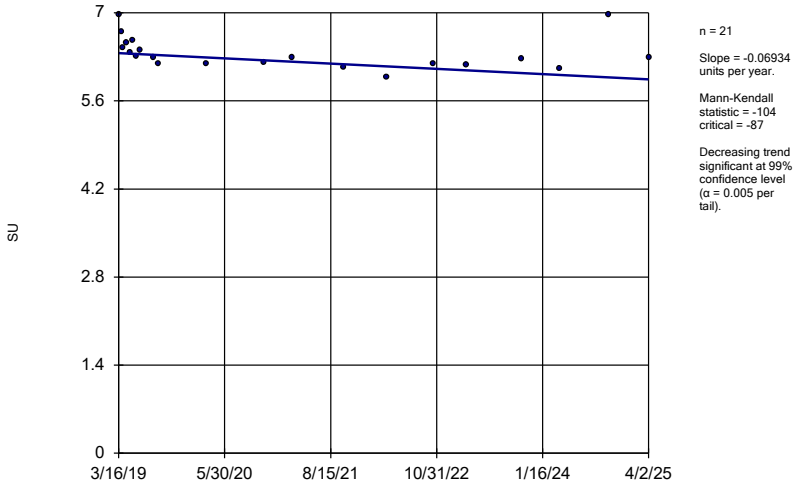
Constituent: Fluoride Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = -0.06934 units per year.

Mann-Kendall statistic = -104 critical = -87

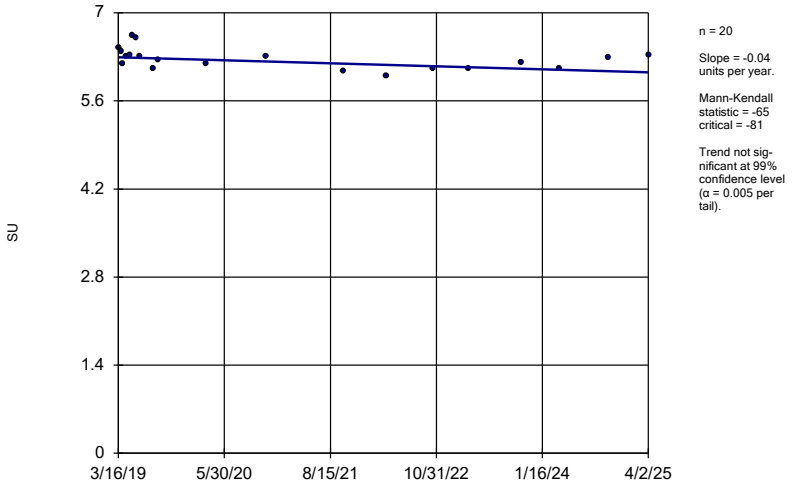
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.04 units per year.

Mann-Kendall statistic = -65 critical = -81

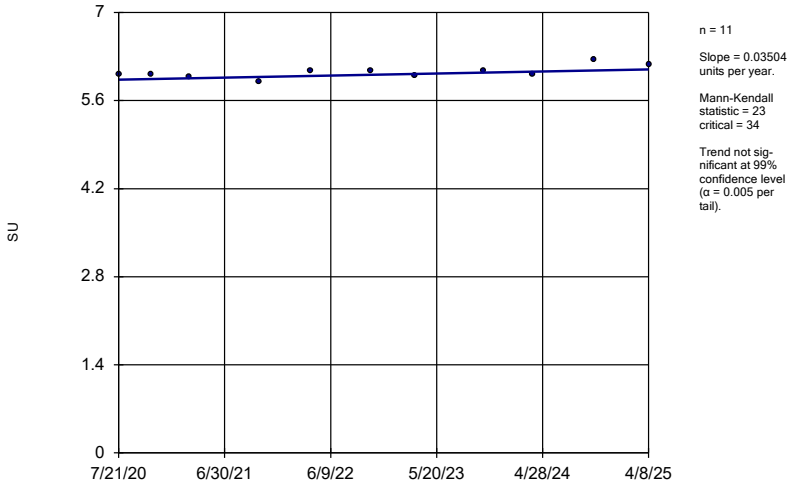
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.03504 units per year.

Mann-Kendall statistic = 23 critical = 34

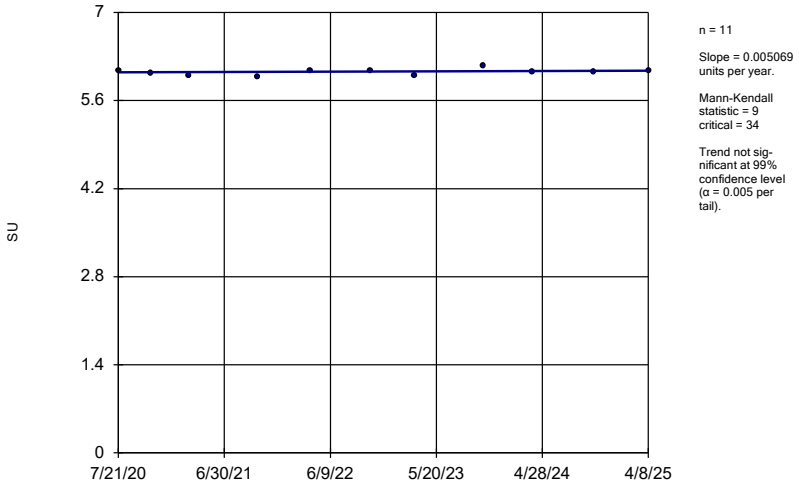
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.005069 units per year.

Mann-Kendall statistic = 9 critical = 34

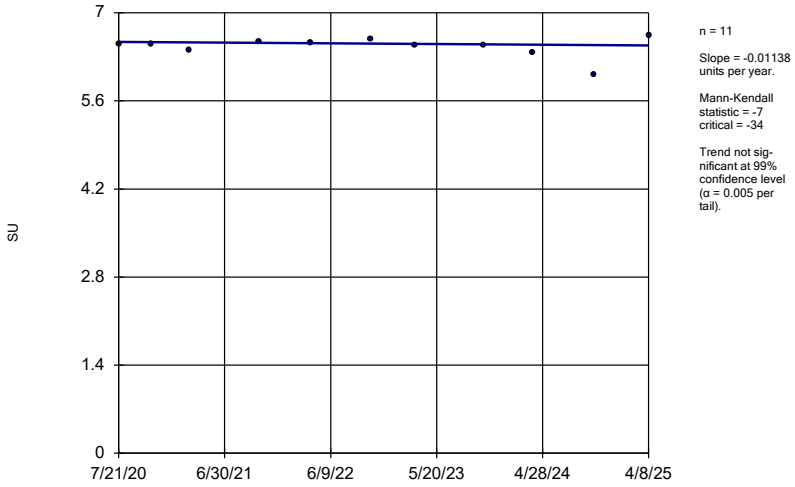
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.01138 units per year.

Mann-Kendall statistic = -7 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

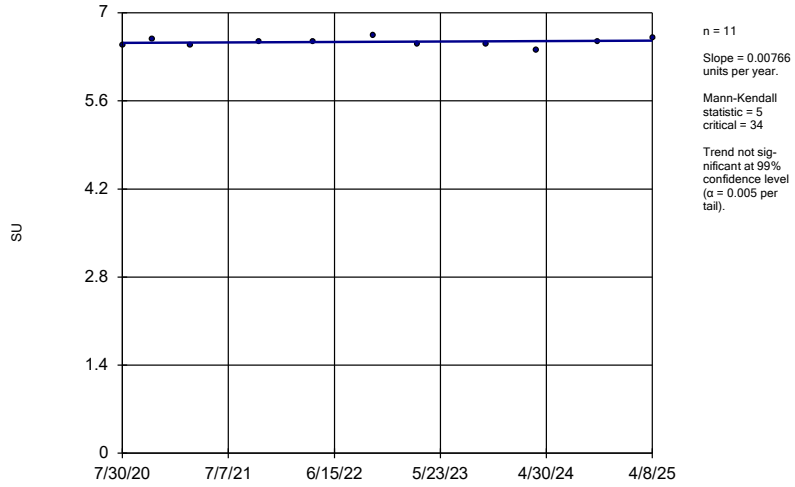
Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.00766 units per year.

Mann-Kendall statistic = 5 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

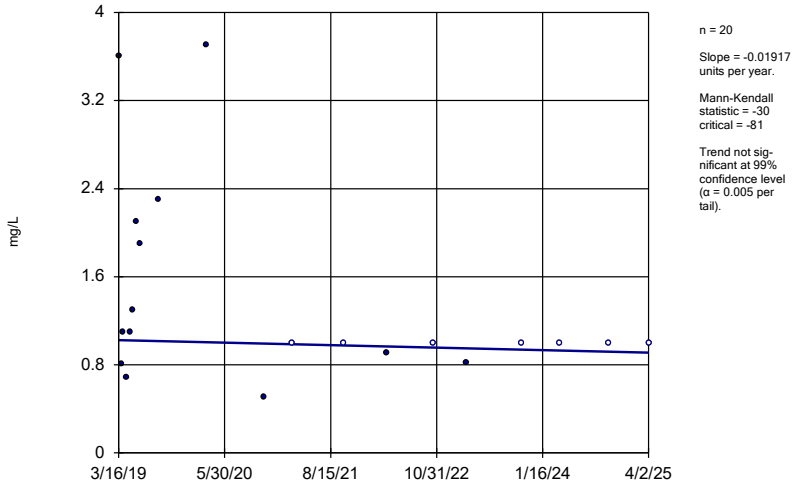
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.01917 units per year.

Mann-Kendall statistic = -30 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

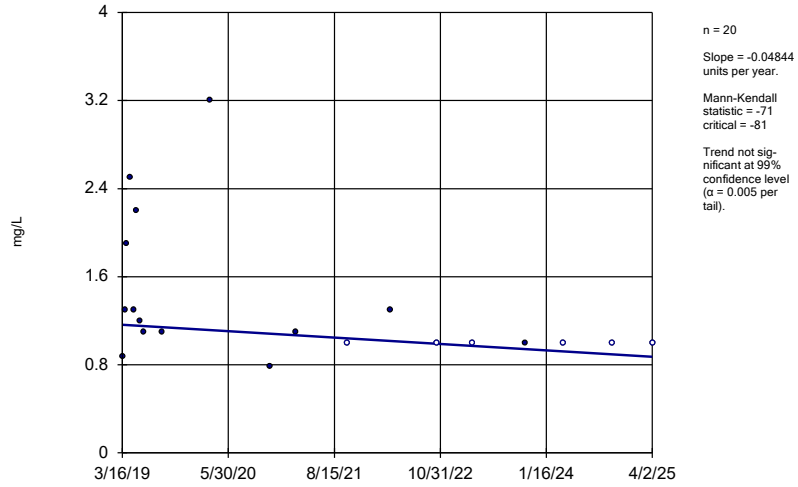
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.04844 units per year.

Mann-Kendall statistic = -71 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

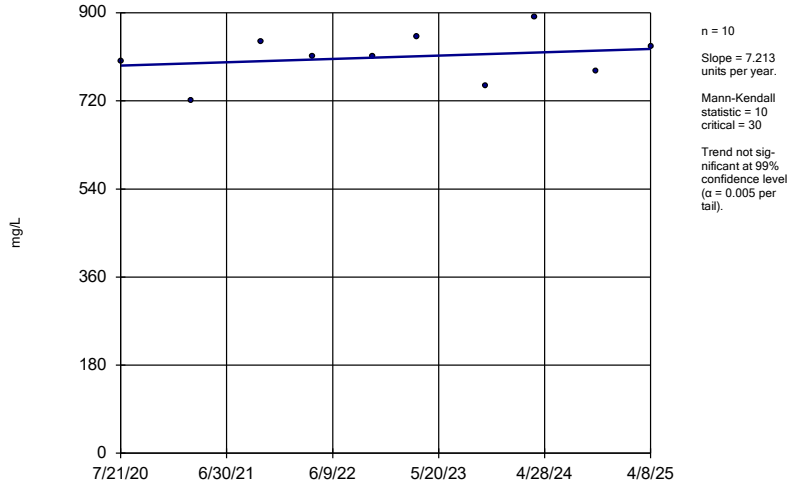
Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 10

Slope = 7.213 units per year.

Mann-Kendall statistic = 10 critical = 30

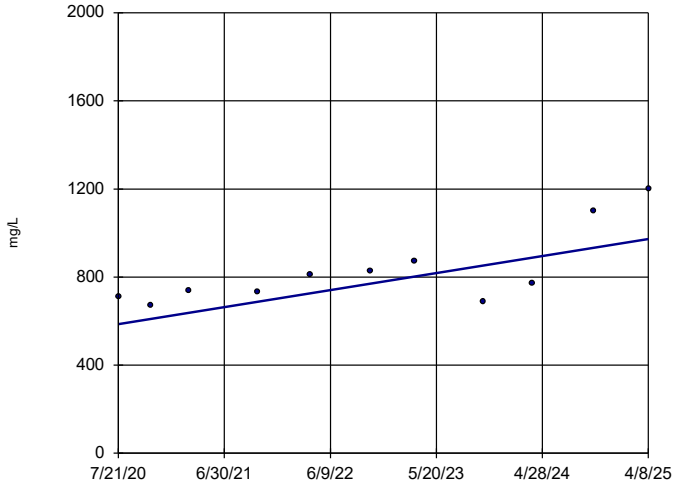
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 81.79 units per year.

Mann-Kendall statistic = 33 critical = 34

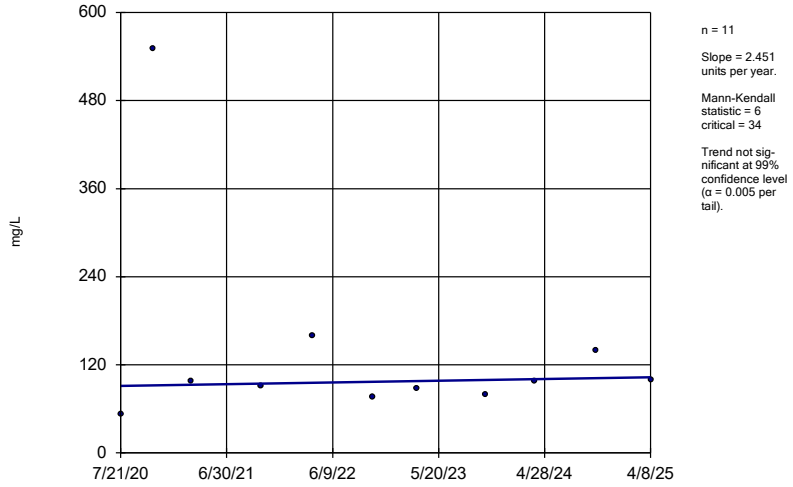
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 2.451 units per year.

Mann-Kendall statistic = 6 critical = 34

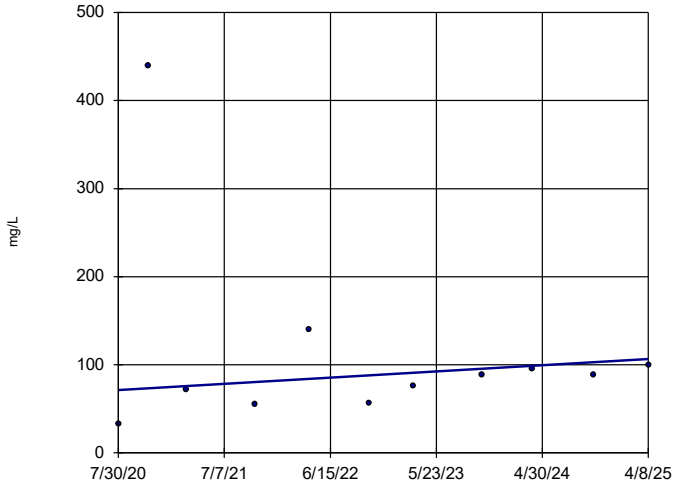
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 7.522 units per year.

Mann-Kendall statistic = 18 critical = 34

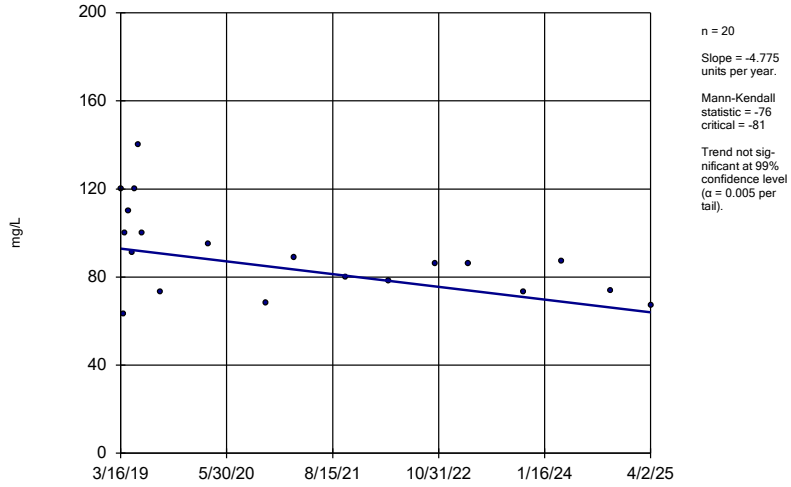
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -4.775 units per year.

Mann-Kendall statistic = -76 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

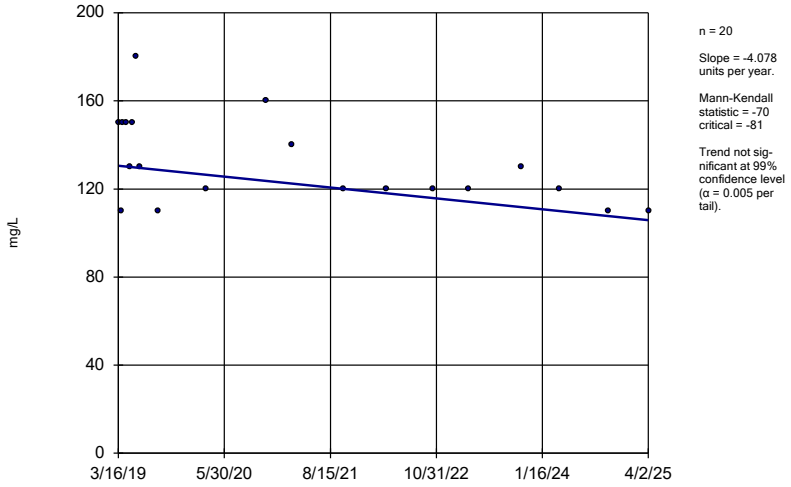
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -4.078 units per year.

Mann-Kendall statistic = -70 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

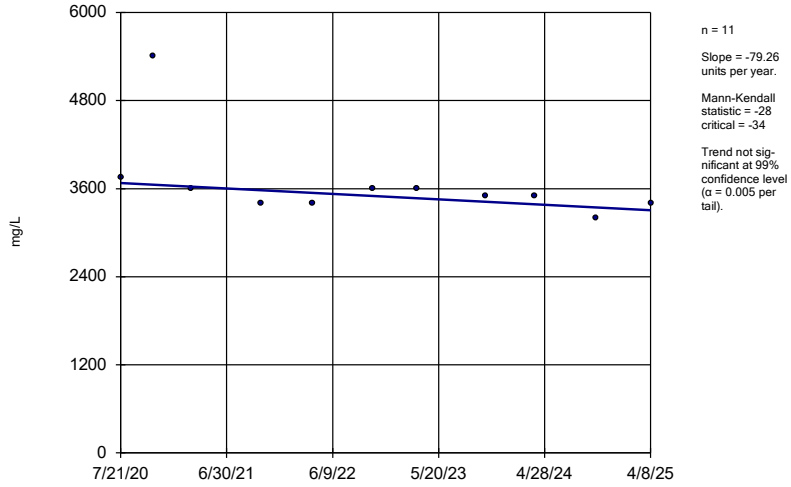
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -79.26 units per year.

Mann-Kendall statistic = -28 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

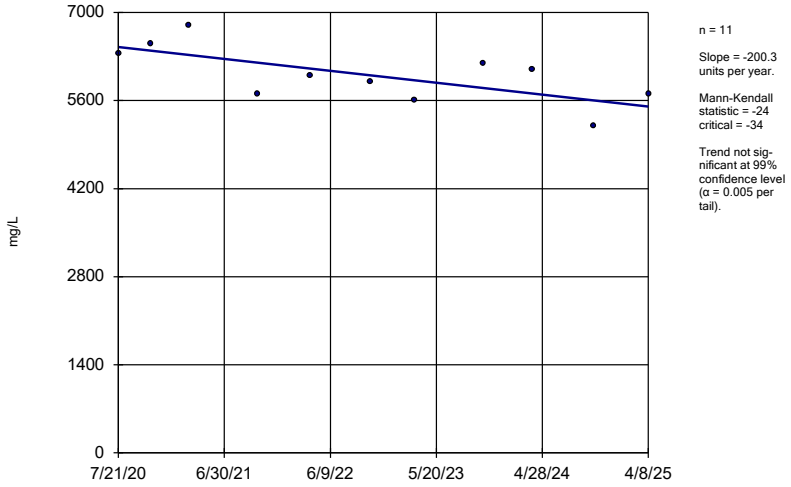
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -200.3 units per year.

Mann-Kendall statistic = -24 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

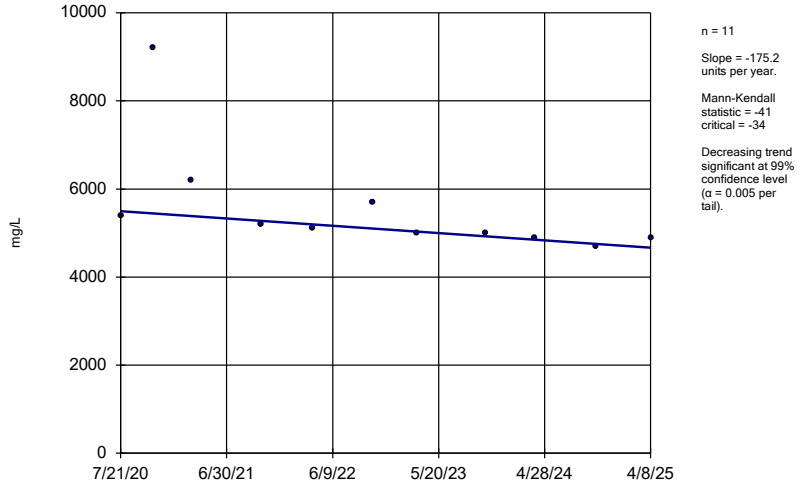
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -175.2 units per year.

Mann-Kendall statistic = -41 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

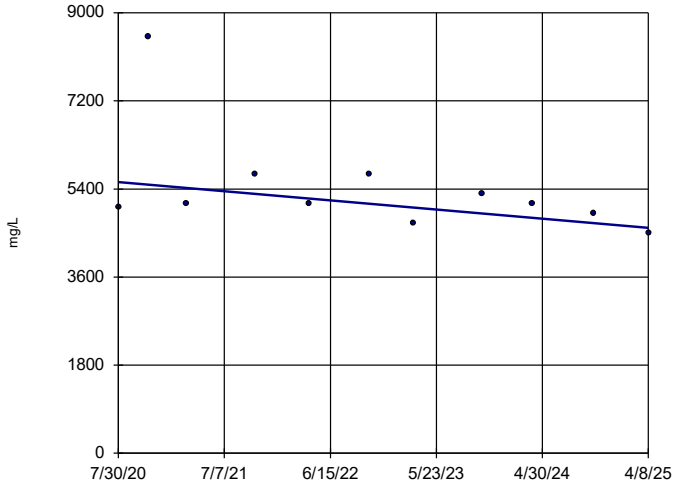
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -199.5 units per year.

Mann-Kendall statistic = -21 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:05 PM View: Appendix III Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Appendix IV Upgradient Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Upgradient Trend Tests - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Antimony (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Antimony (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Antimony (mg/L)	APMW-16 (bg)	0	0	27	No	11	90.91	n/a	0.05	NP
Arsenic (mg/L)	APMW-11 (bg)	0	33	66	No	21	85.71	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	0	-1	-66	No	21	28.57	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	1	27	No	11	81.82	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-7	-27	No	11	45.45	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	27	No	11	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0.00005028	6	27	No	11	9.091	n/a	0.05	NP
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003349	-11	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.004078	-12	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00216	-21	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0	1	27	No	11	0	n/a	0.05	NP
Beryllium (mg/L)	APMW-11 (bg)	0	11	66	No	21	90.48	n/a	0.05	NP
Beryllium (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Beryllium (mg/L)	APMW-13 (bg)	0	-10	-27	No	11	90.91	n/a	0.05	NP
Beryllium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Beryllium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Beryllium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cadmium (mg/L)	APMW-16 (bg)	0	10	27	No	11	90.91	n/a	0.05	NP
Chromium (mg/L)	APMW-11 (bg)	0	-1	-58	No	19	89.47	n/a	0.05	NP
Chromium (mg/L)	APMW-12 (bg)	0	-4	-58	No	19	94.74	n/a	0.05	NP
Chromium (mg/L)	APMW-13 (bg)	0	-13	-27	No	11	81.82	n/a	0.05	NP
Chromium (mg/L)	APMW-14 (bg)	0	-8	-27	No	11	90.91	n/a	0.05	NP
Chromium (mg/L)	APMW-15 (bg)	0	3	27	No	11	45.45	n/a	0.05	NP
Chromium (mg/L)	APMW-16 (bg)	0	0	27	No	11	63.64	n/a	0.05	NP
Cobalt (mg/L)	APMW-11 (bg)	0	-60	-66	No	21	61.9	n/a	0.05	NP
Cobalt (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Cobalt (mg/L)	APMW-16 (bg)	0	4	27	No	11	90.91	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.009533	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01717	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.07045	7	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	21	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1566	-16	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.03196	-7	-27	No	11	0	n/a	0.05	NP
Fluoride (mg/L)	APMW-11 (bg)	0	15	66	No	21	38.1	n/a	0.05	NP
Fluoride (mg/L)	APMW-12 (bg)	0.001442	14	66	No	21	14.29	n/a	0.05	NP
Fluoride (mg/L)	APMW-13 (bg)	0.003349	3	27	No	11	0	n/a	0.05	NP
Fluoride (mg/L)	APMW-14 (bg)	0	6	27	No	11	45.45	n/a	0.05	NP
Fluoride (mg/L)	APMW-15 (bg)	0.006766	5	27	No	11	9.091	n/a	0.05	NP
Fluoride (mg/L)	APMW-16 (bg)	0.01357	1	27	No	11	9.091	n/a	0.05	NP

Appendix IV Upgradient Trend Tests - All Results

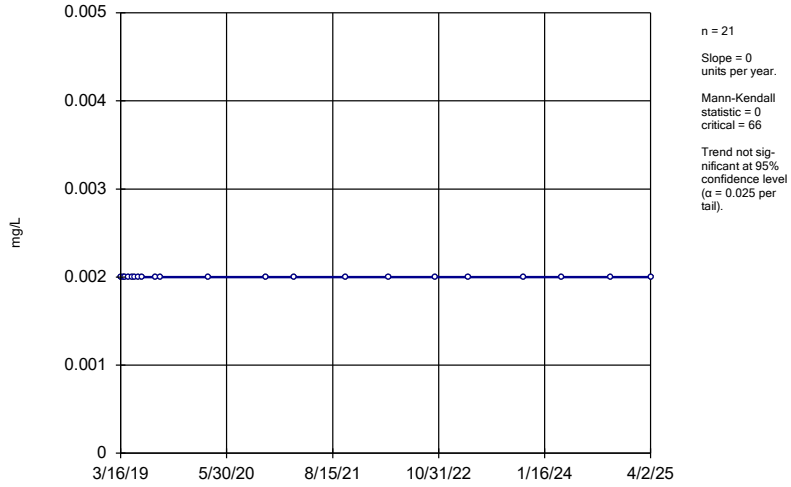
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lead (mg/L)	APMW-11 (bg)	0	-8	-66	No	21	95.24	n/a	0.05	NP
Lead (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Lead (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lead (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Lithium (mg/L)	APMW-11 (bg)	0.0003259	37	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0005415	11	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0.0003918	11	27	No	11	45.45	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.001267	20	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	0.0006606	5	27	No	11	0	n/a	0.05	NP
Mercury (mg/L)	APMW-11 (bg)	0	8	58	No	19	94.74	n/a	0.05	NP
Mercury (mg/L)	APMW-12 (bg)	0	18	58	No	19	94.74	n/a	0.05	NP
Mercury (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Mercury (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Selenium (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Selenium (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Selenium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Selenium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Selenium (mg/L)	APMW-15 (bg)	0	-10	-27	No	11	90.91	n/a	0.05	NP
Selenium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-11 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Thallium (mg/L)	APMW-12 (bg)	0	2	66	No	21	95.24	n/a	0.05	NP
Thallium (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-15 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Thallium (mg/L)	APMW-16 (bg)	0	0	27	No	11	100	n/a	0.05	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

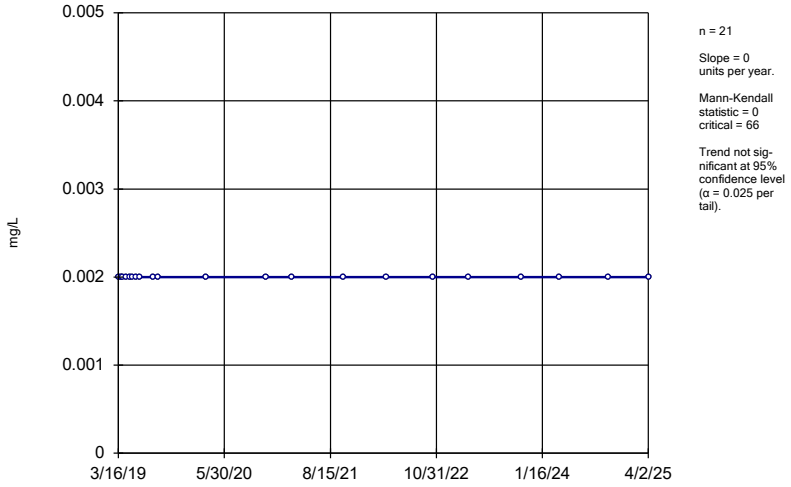


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

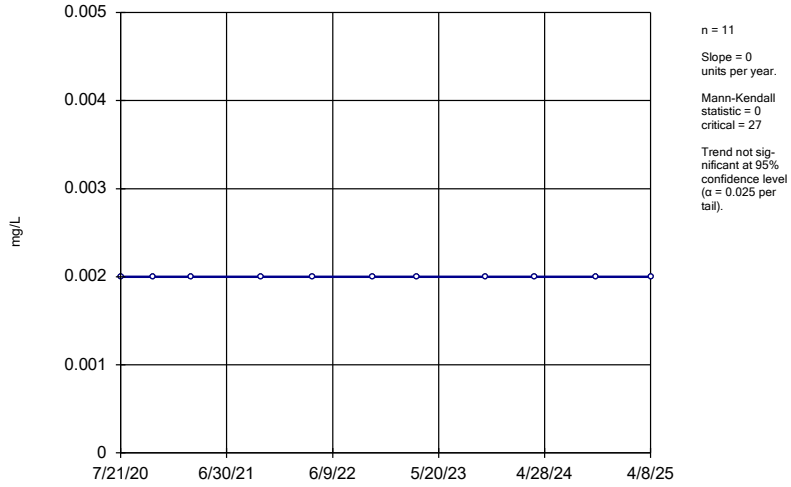


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

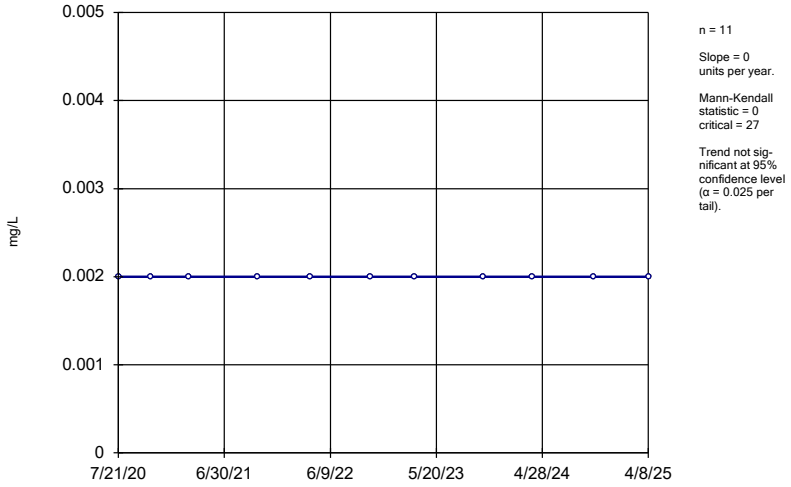


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

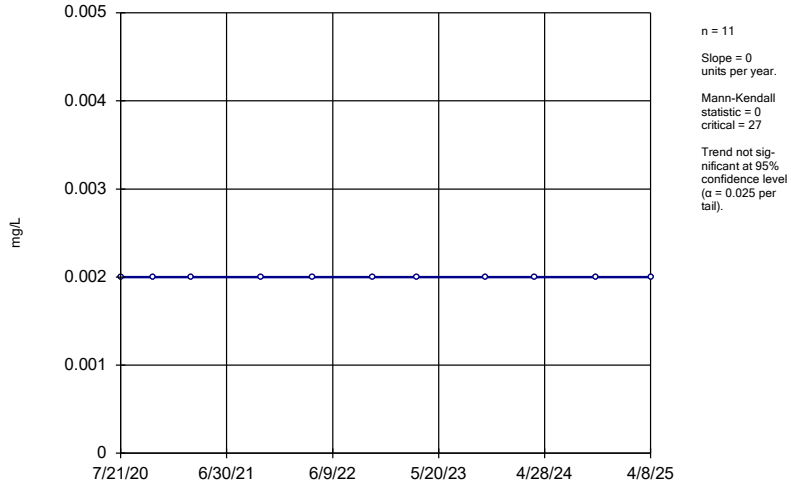


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

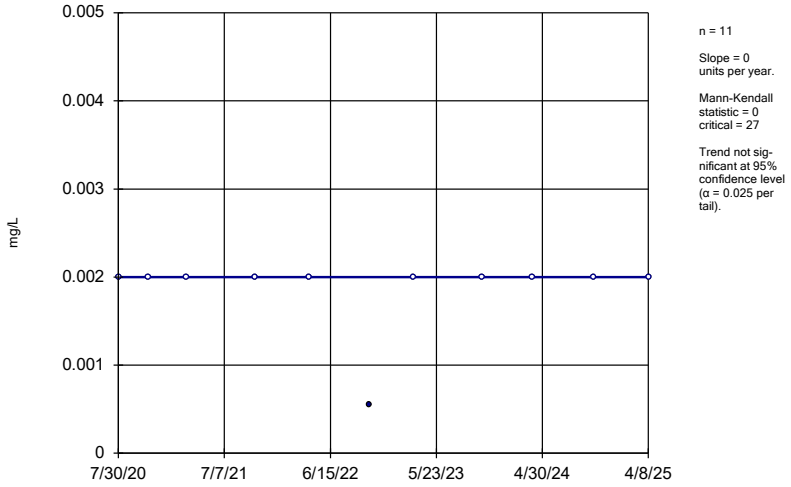


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

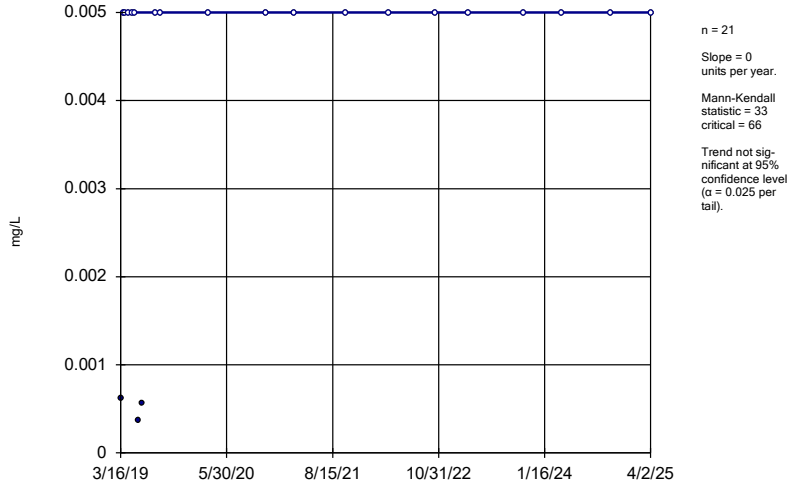


Constituent: Antimony Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

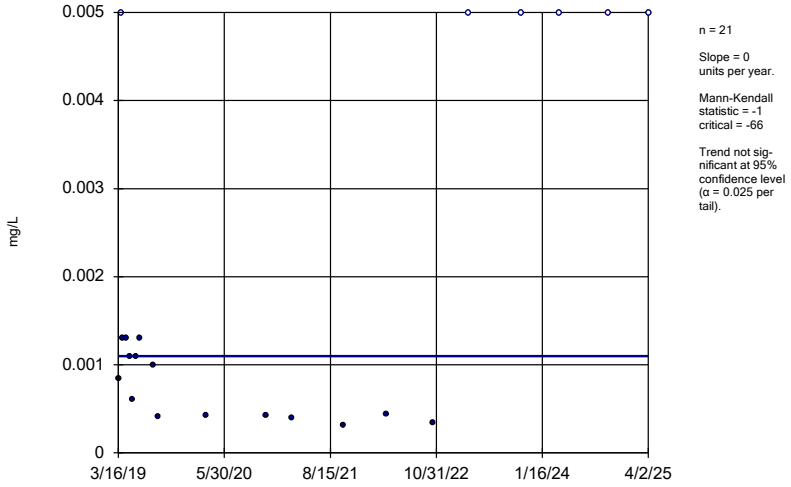


Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

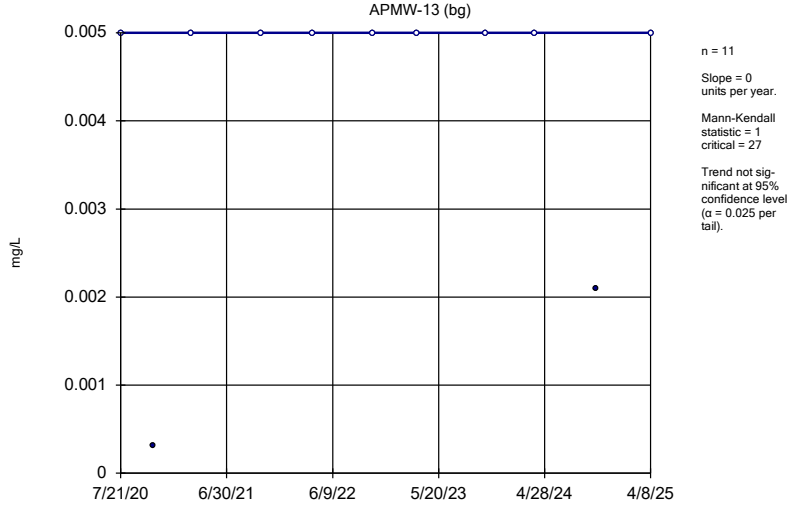


Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 27

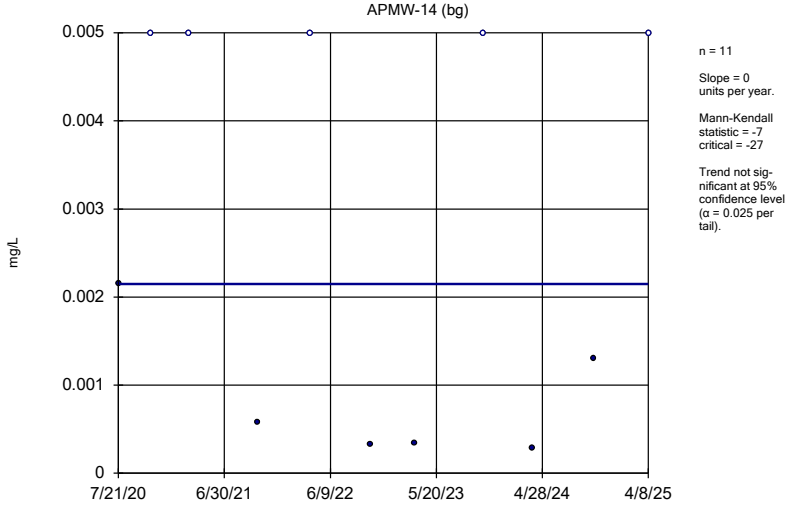
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = -7
critical = -27

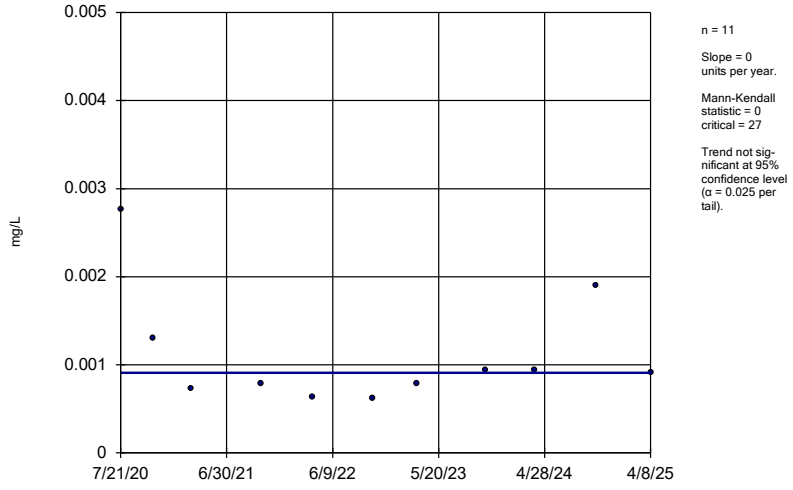
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 27

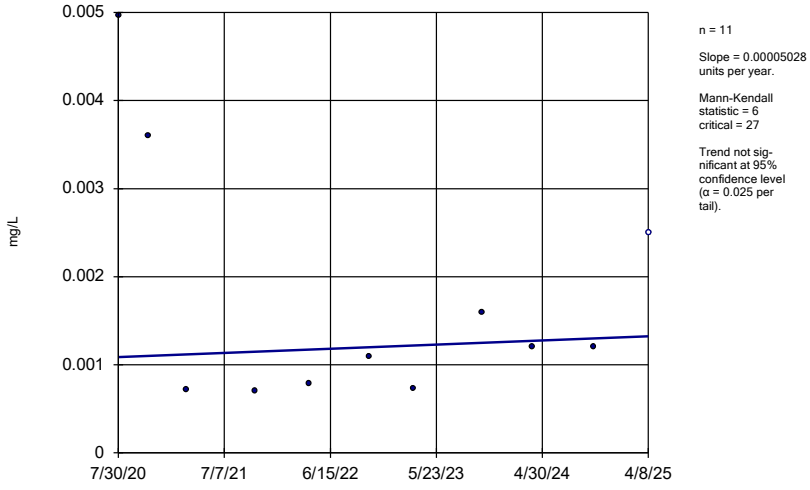
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.00005028
units per year.

Mann-Kendall
statistic = 6
critical = 27

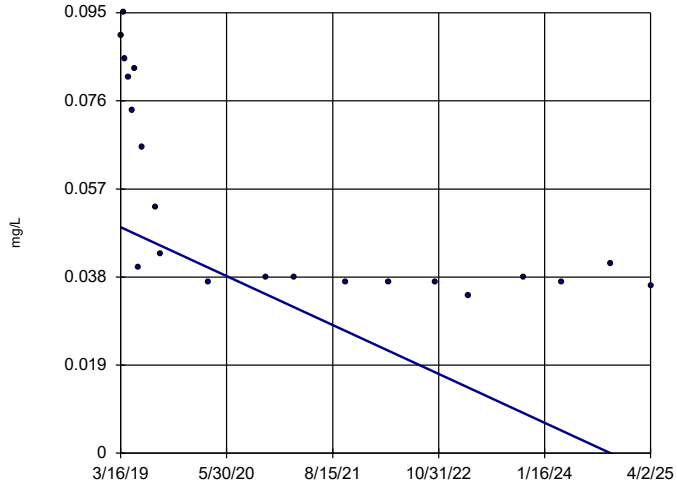
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = -0.008709 units per year.

Mann-Kendall statistic = -147
critical = -66

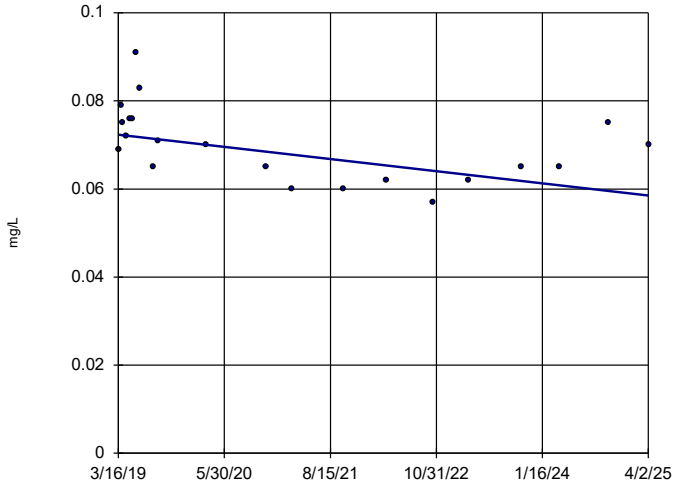
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = -0.002273 units per year.

Mann-Kendall statistic = -73
critical = -66

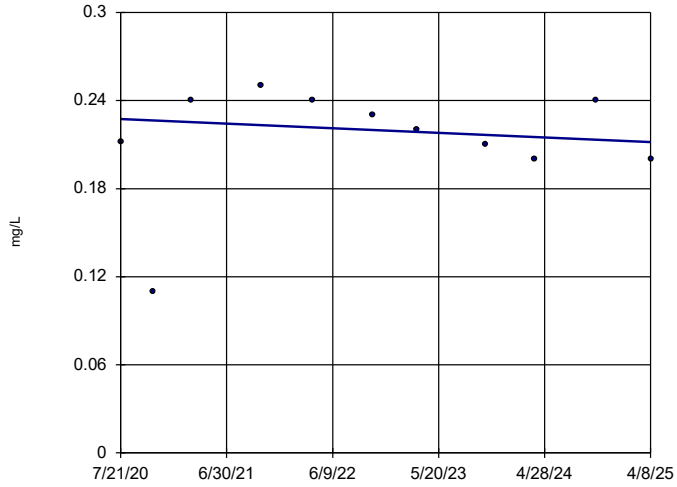
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.003349 units per year.

Mann-Kendall statistic = -11
critical = -27

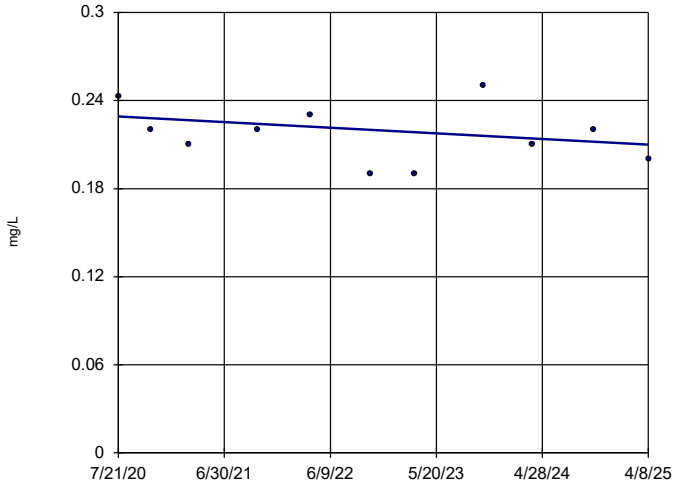
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -0.004078 units per year.

Mann-Kendall statistic = -12
critical = -27

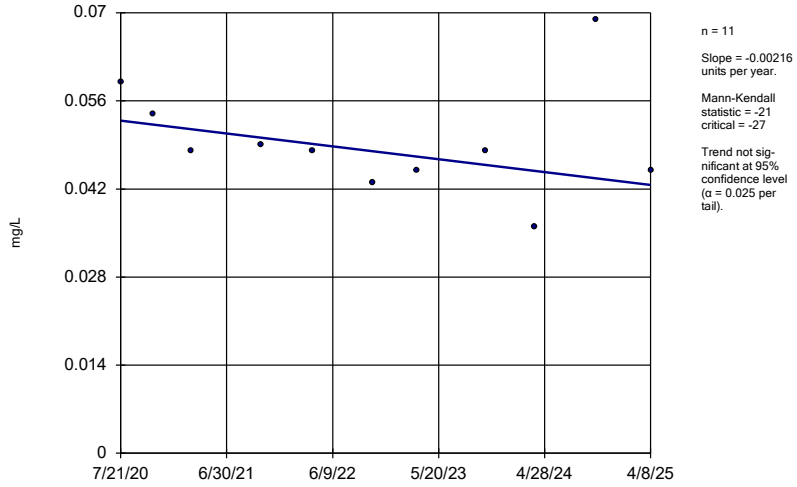
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.00216 units per year.

Mann-Kendall statistic = -21 critical = -27

Trend not significant at 95% confidence level (α = 0.025 per tail).

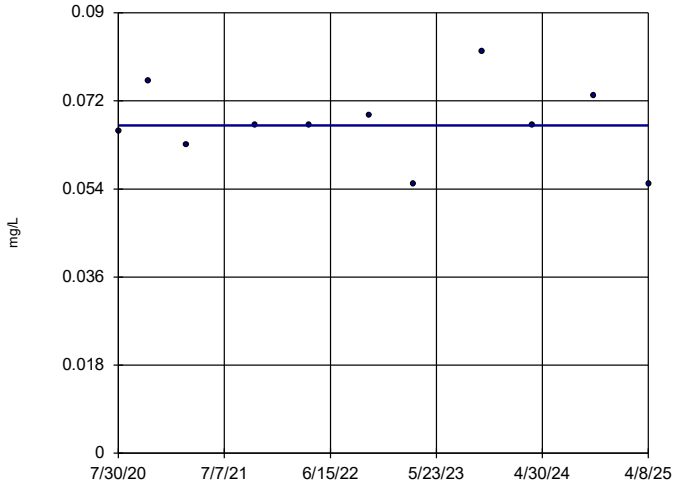
Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient

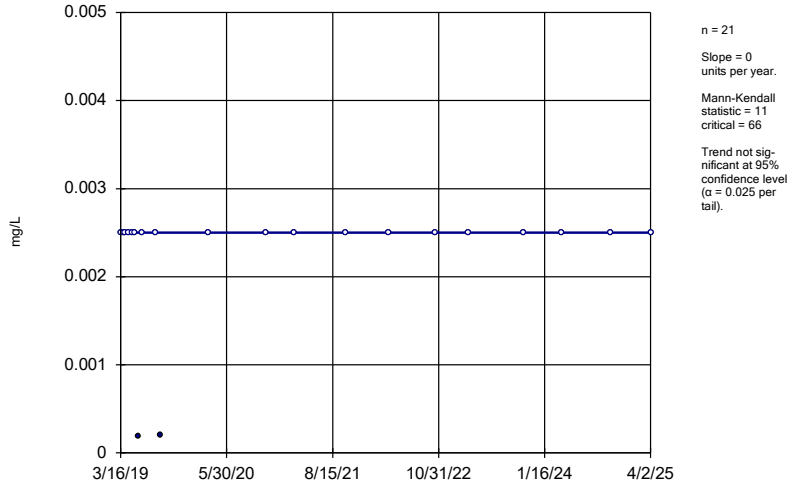
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient

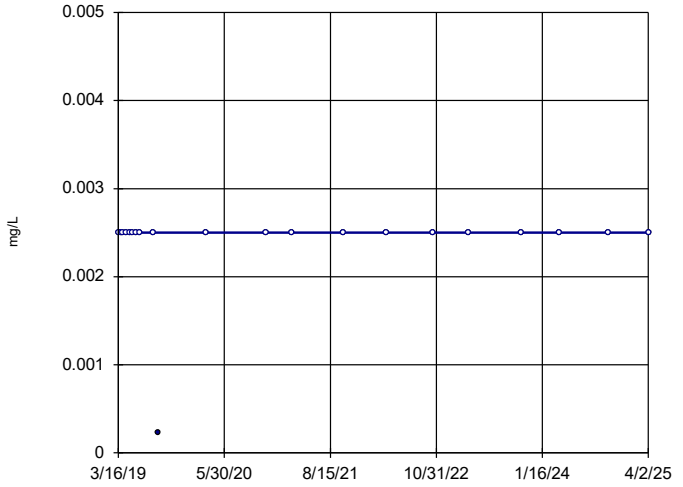
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

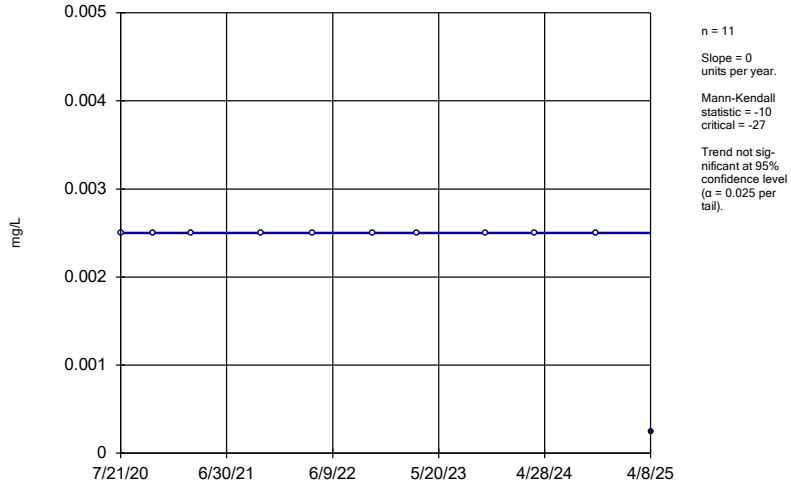
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

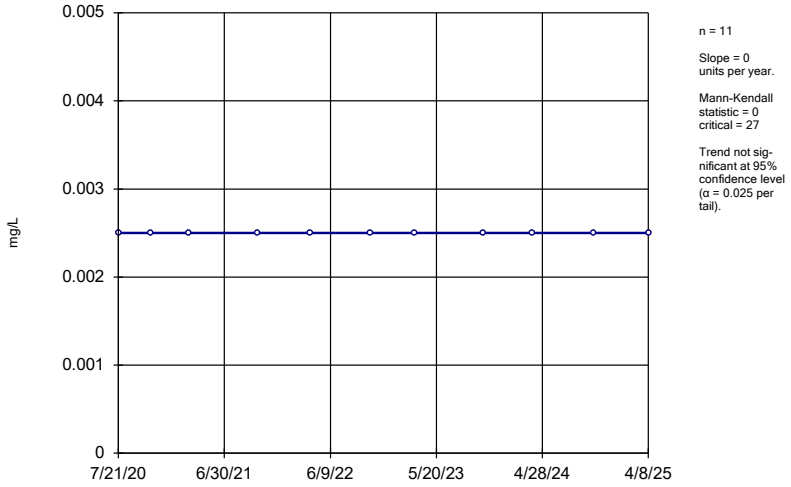


Constituent: Beryllium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

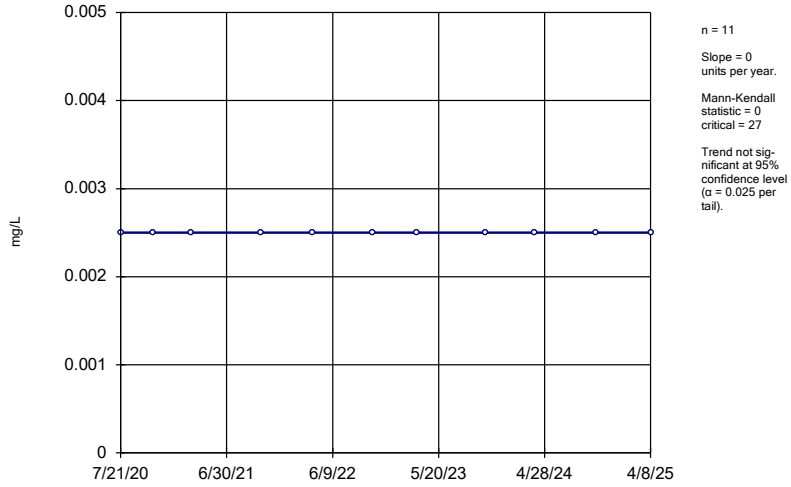


Constituent: Beryllium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

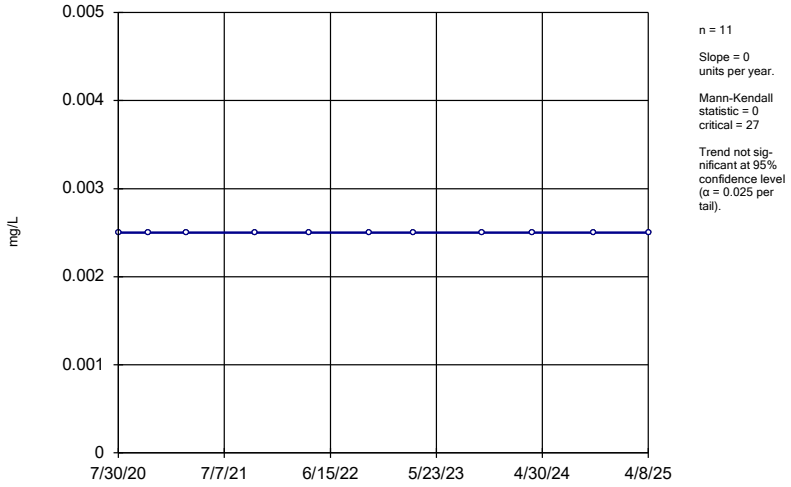


Constituent: Beryllium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

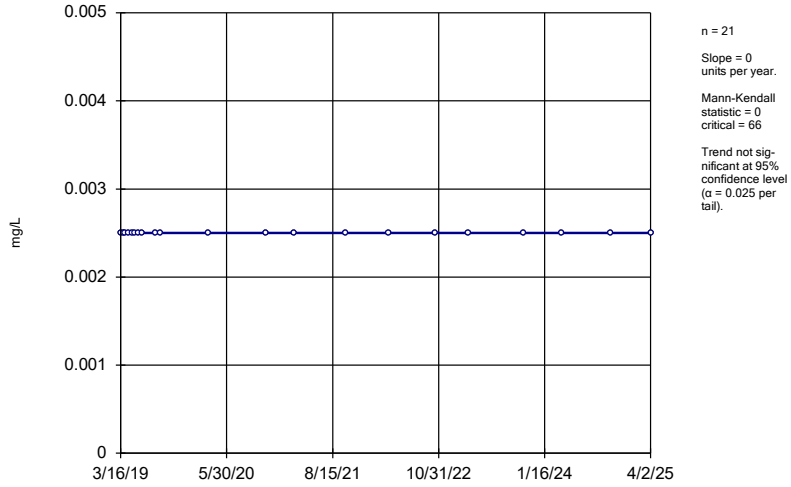


Constituent: Beryllium Analysis Run 6/16/2025 12:07 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 66

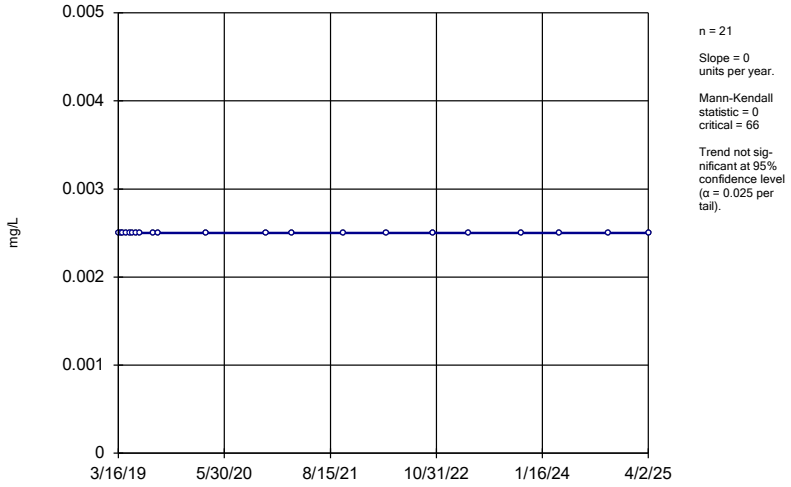
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 66

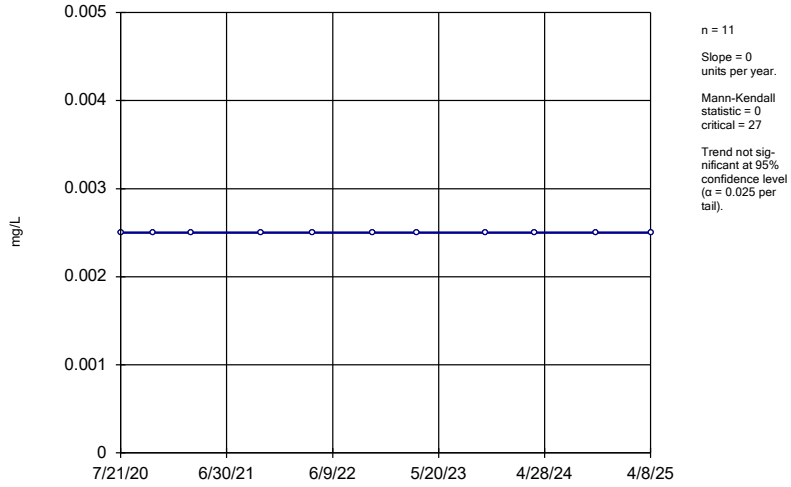
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

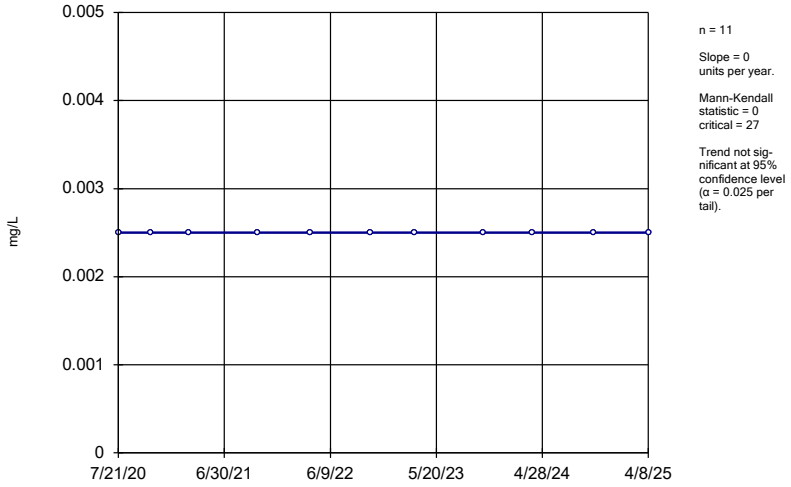
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

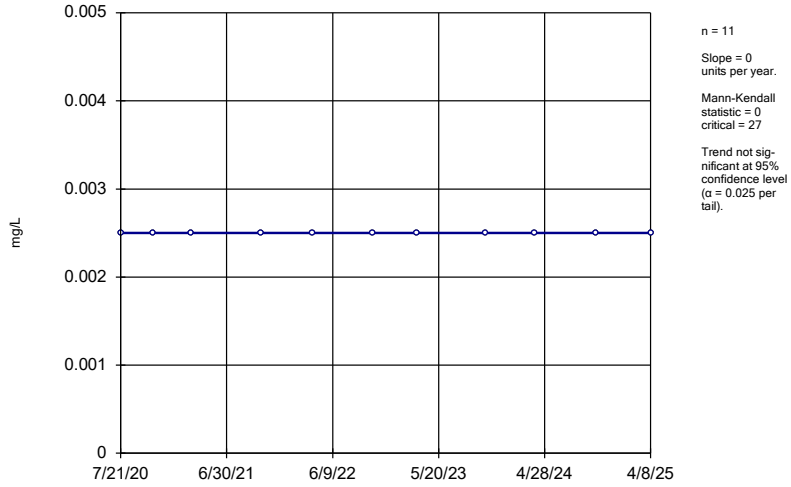
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

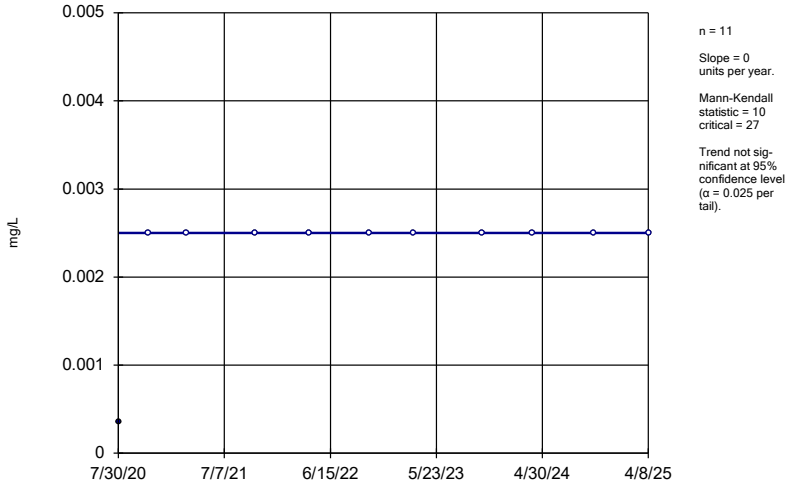


Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

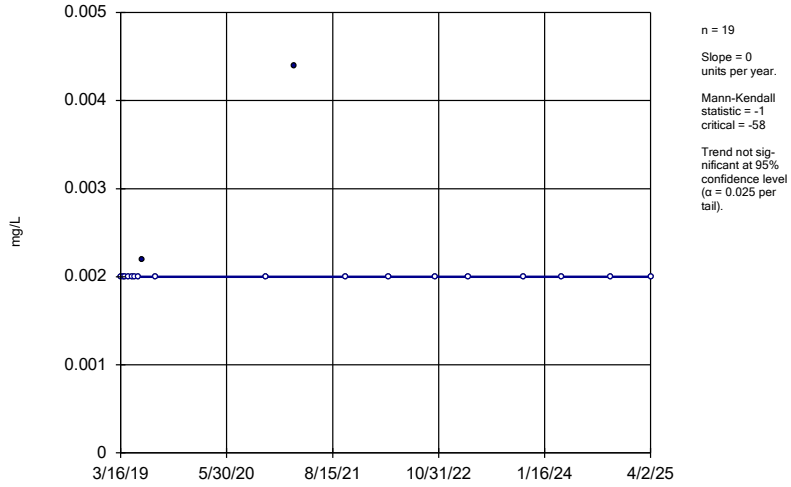


Constituent: Cadmium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

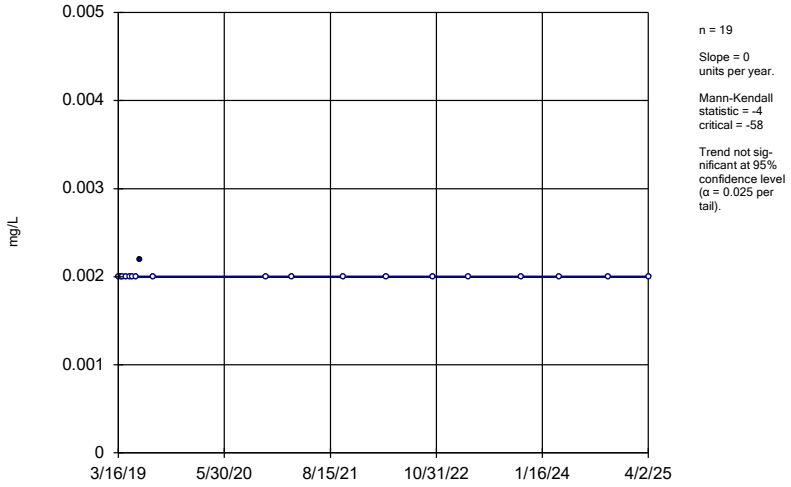


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

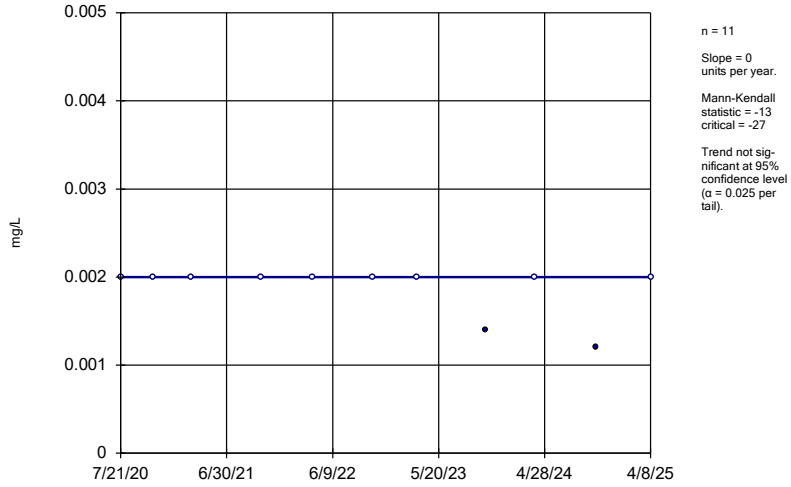


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

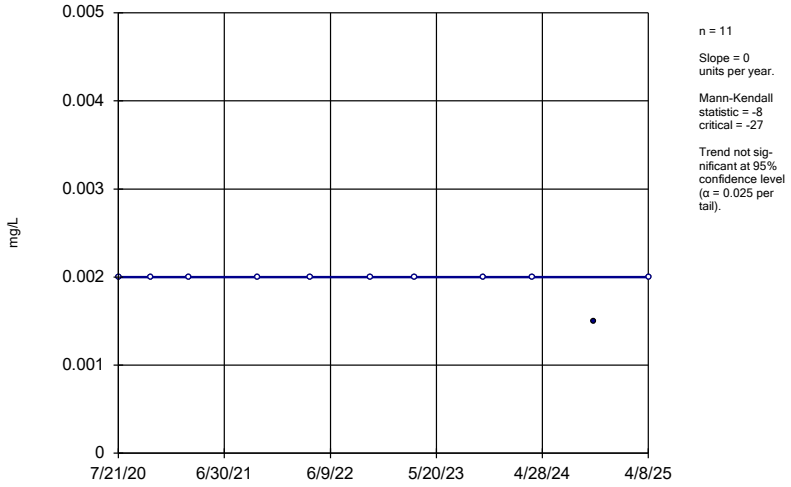


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

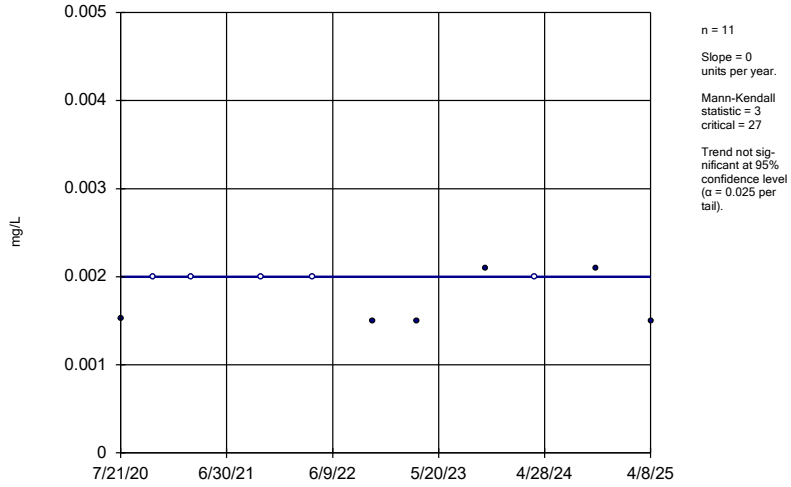


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

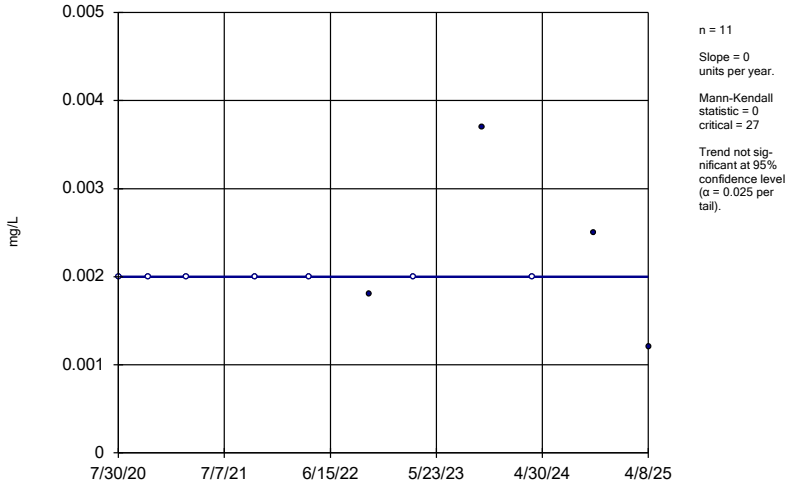


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

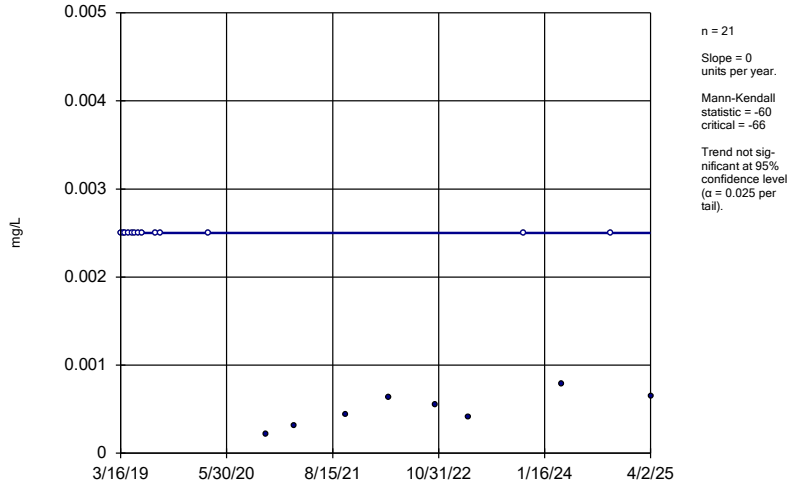


Constituent: Chromium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -60 critical = -66

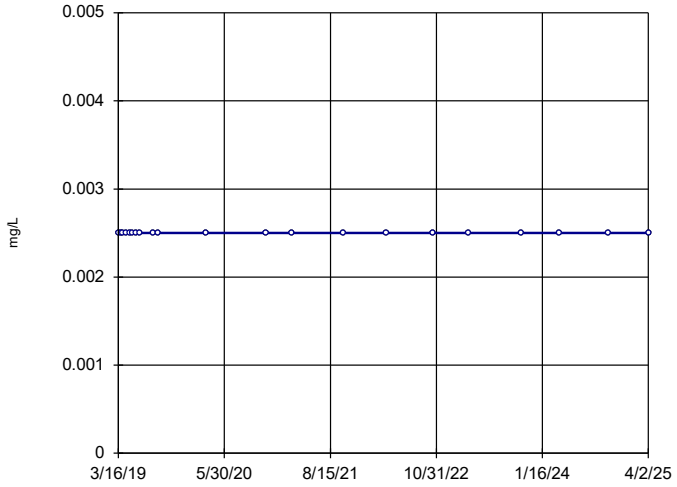
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 66

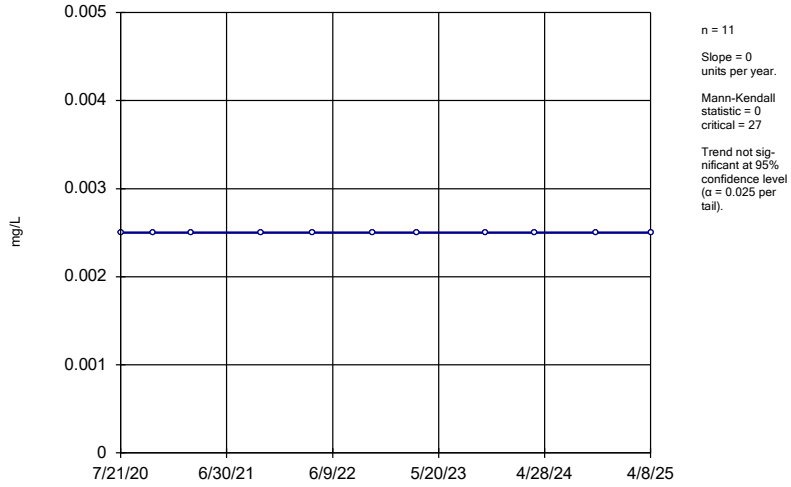
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

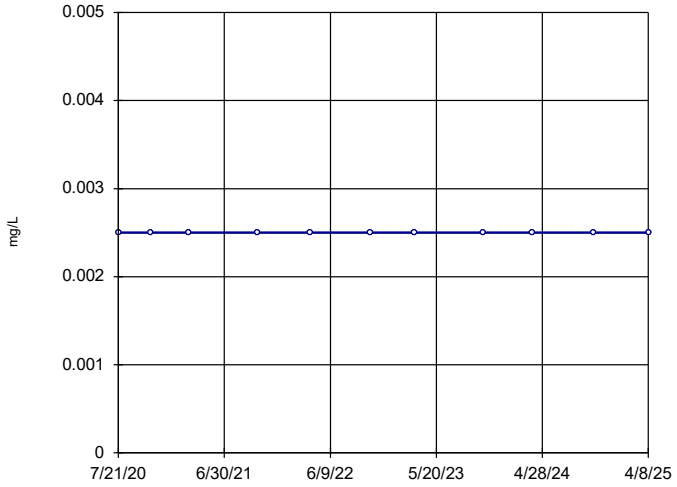
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

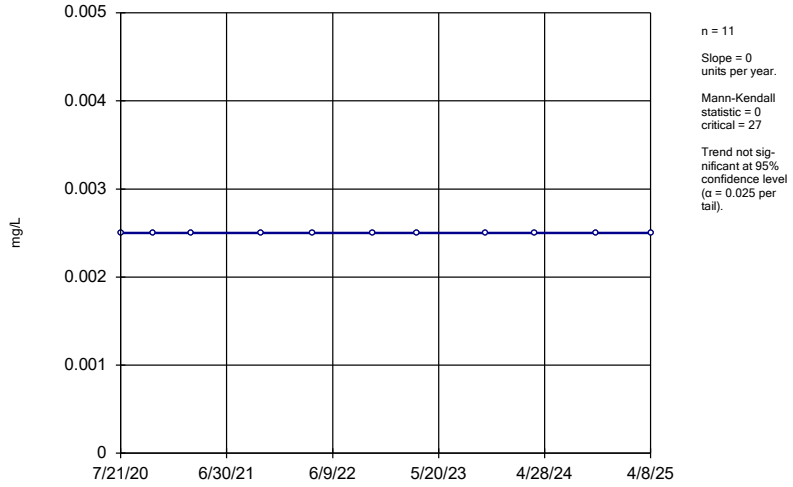
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

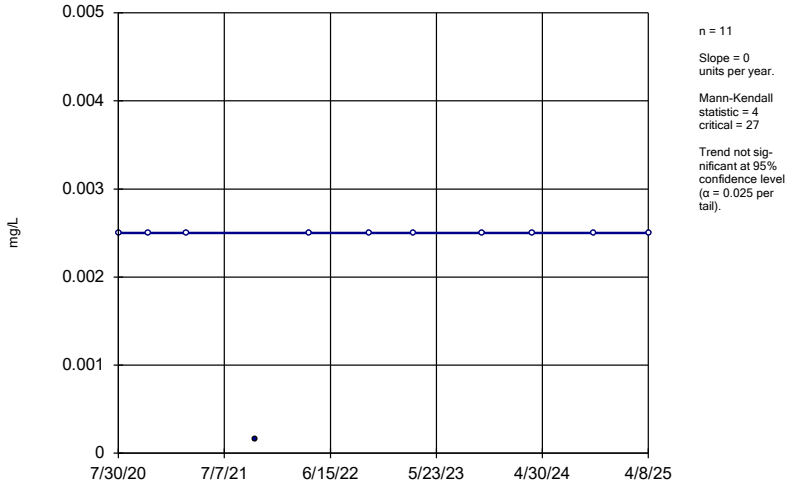


Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

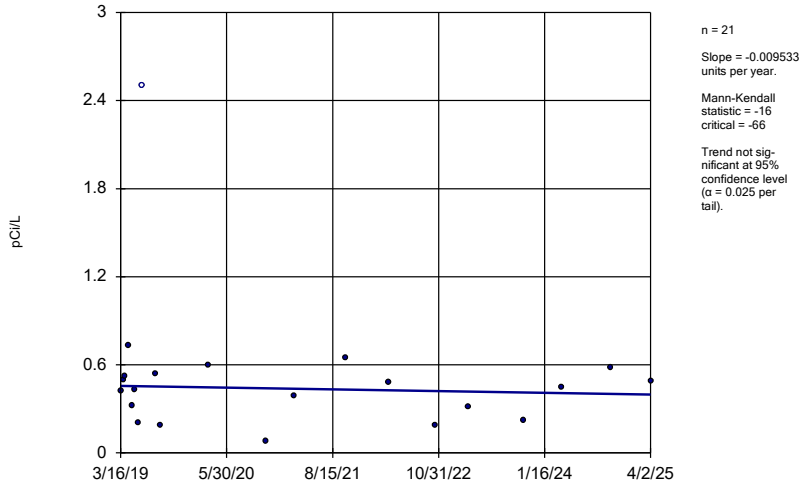


Constituent: Cobalt Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

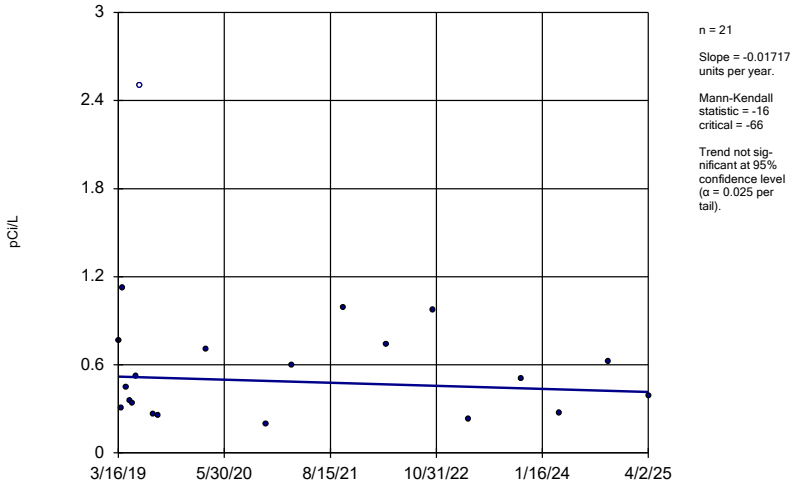


Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradie
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

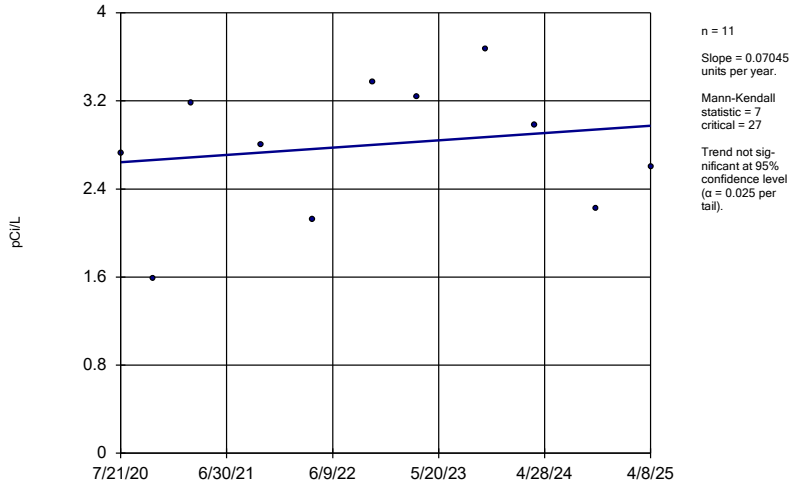


Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradie
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.07045 units per year.

Mann-Kendall statistic = 7 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

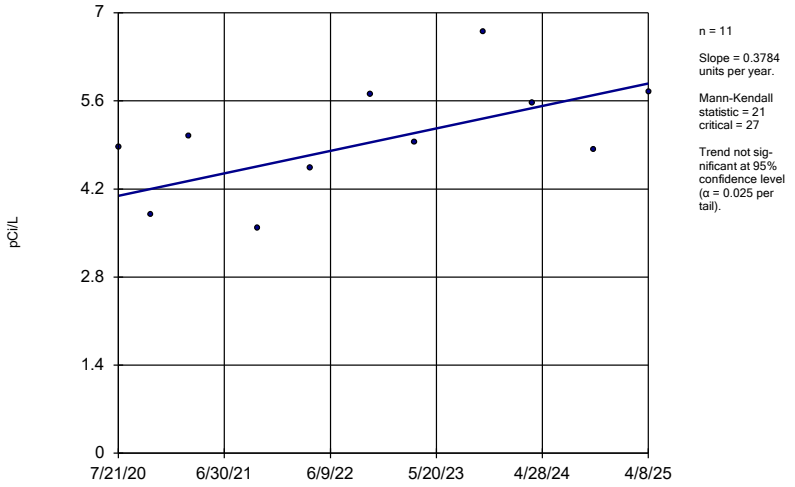
Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradie

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.3784 units per year.

Mann-Kendall statistic = 21 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

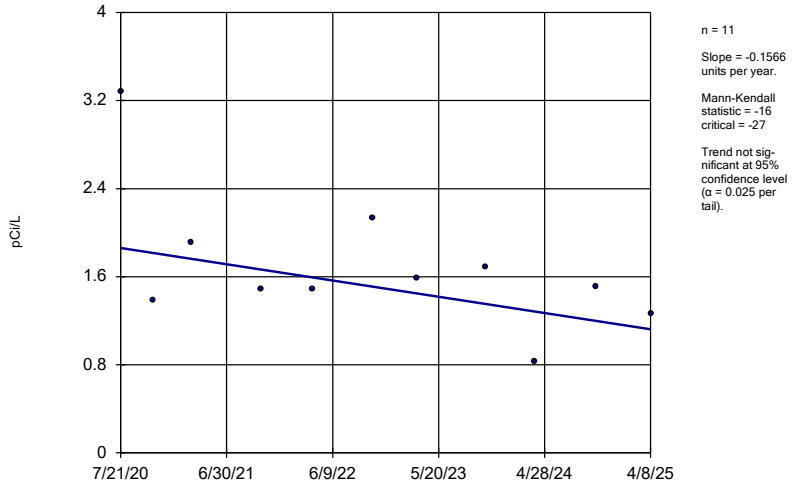
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.1566 units per year.

Mann-Kendall statistic = -16 critical = -27

Trend not significant at 95% confidence level (α = 0.025 per tail).

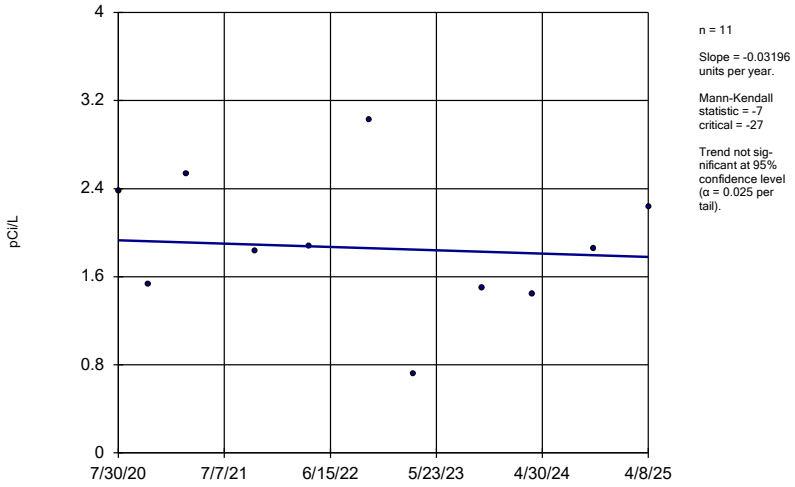
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -0.03196 units per year.

Mann-Kendall statistic = -7 critical = -27

Trend not significant at 95% confidence level (α = 0.025 per tail).

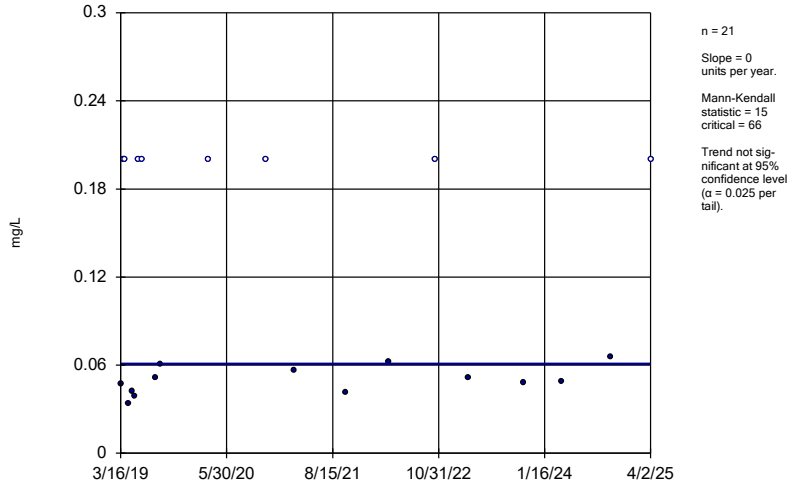
Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradie

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0
units per year.

Mann-Kendall
statistic = 15
critical = 66

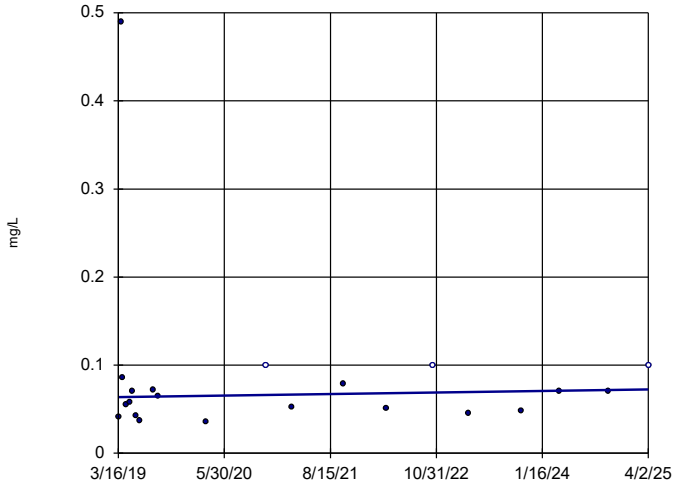
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0.001442
units per year.

Mann-Kendall
statistic = 14
critical = 66

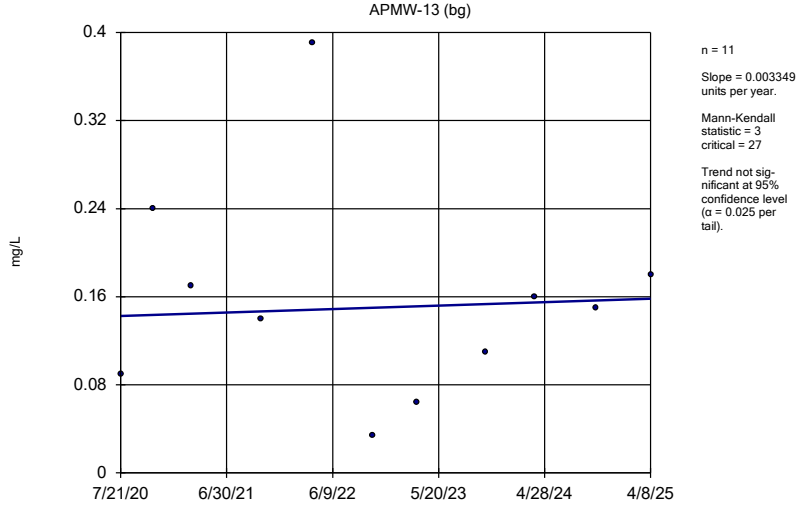
Trend not sig-
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confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.003349
units per year.

Mann-Kendall
statistic = 3
critical = 27

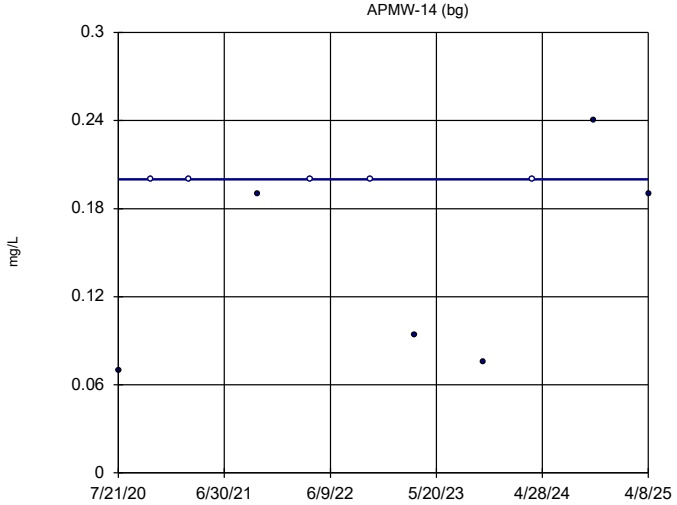
Trend not sig-
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confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = 6
critical = 27

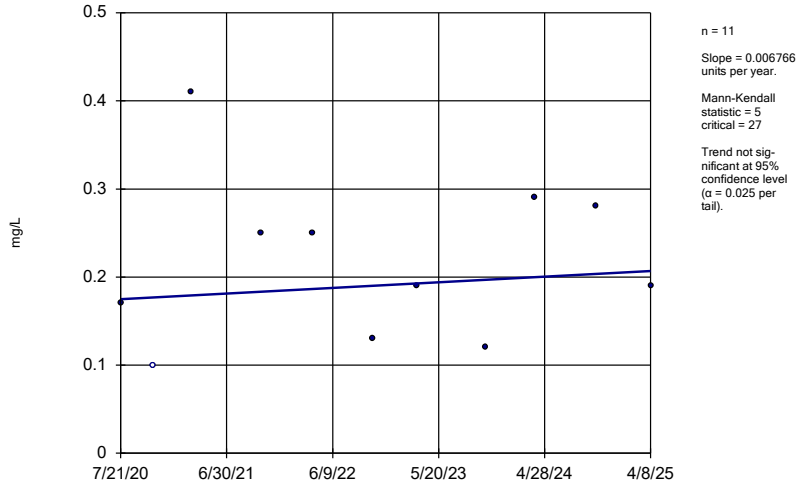
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.006766 units per year.

Mann-Kendall statistic = 5
critical = 27

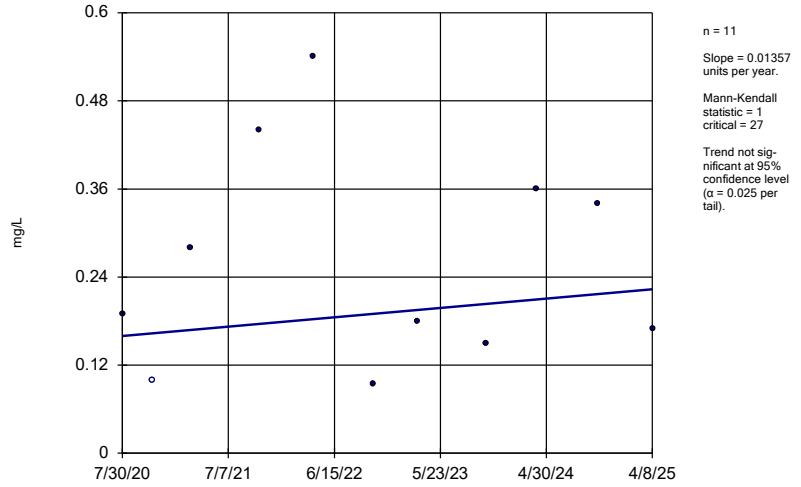
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.01357 units per year.

Mann-Kendall statistic = 1
critical = 27

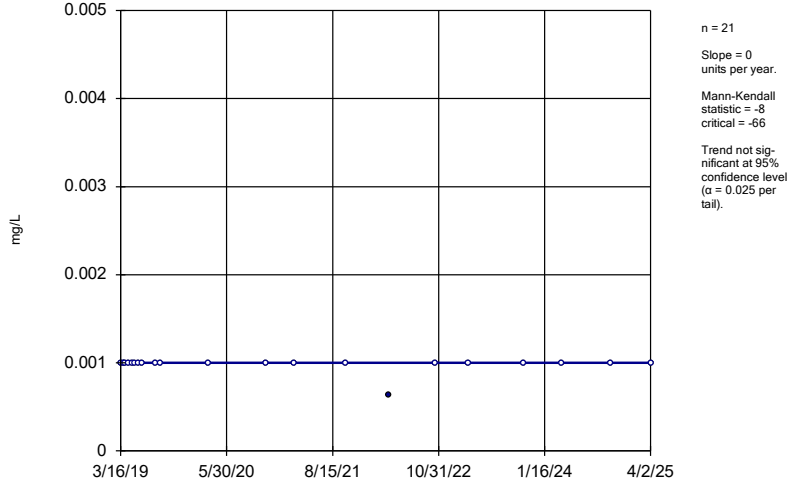
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -8
critical = -66

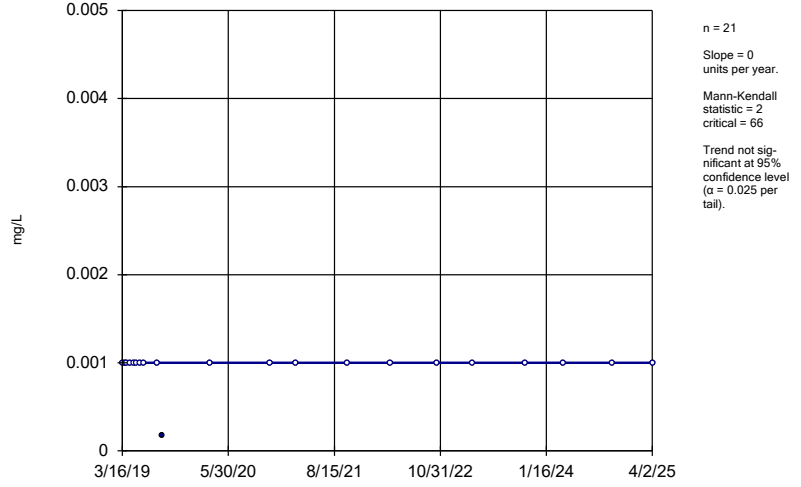
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2
critical = 66

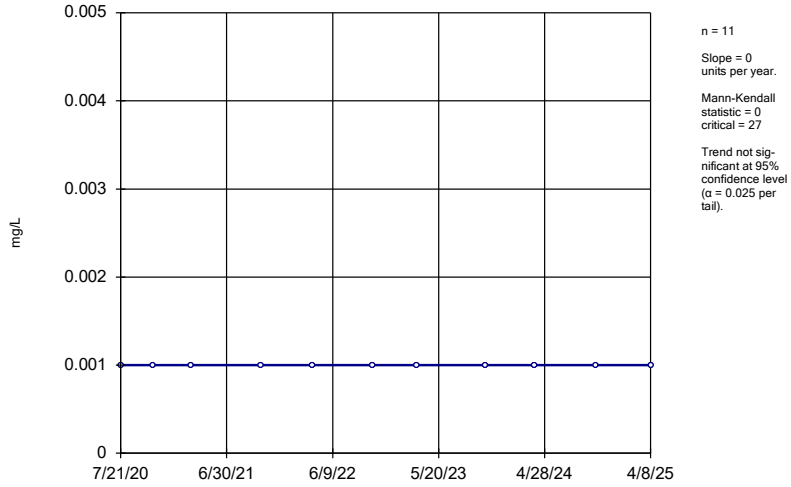
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

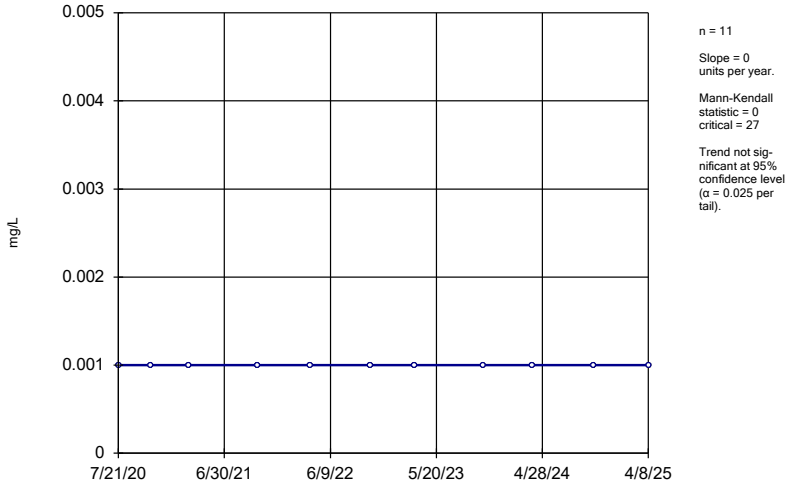


Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

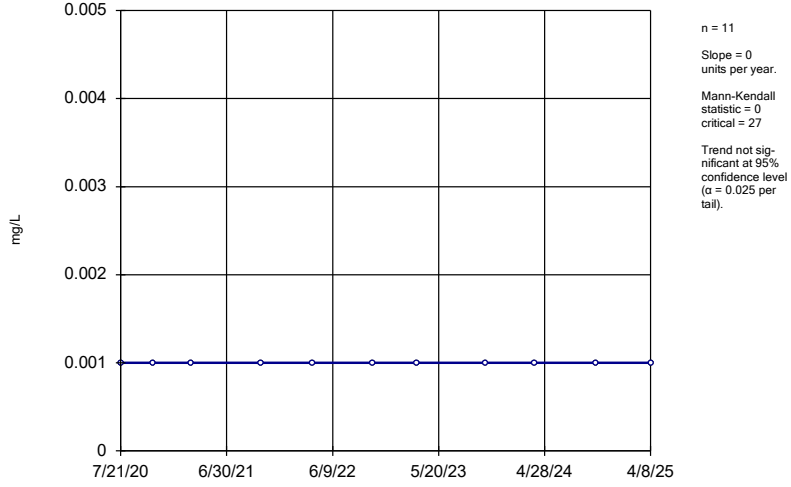


Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

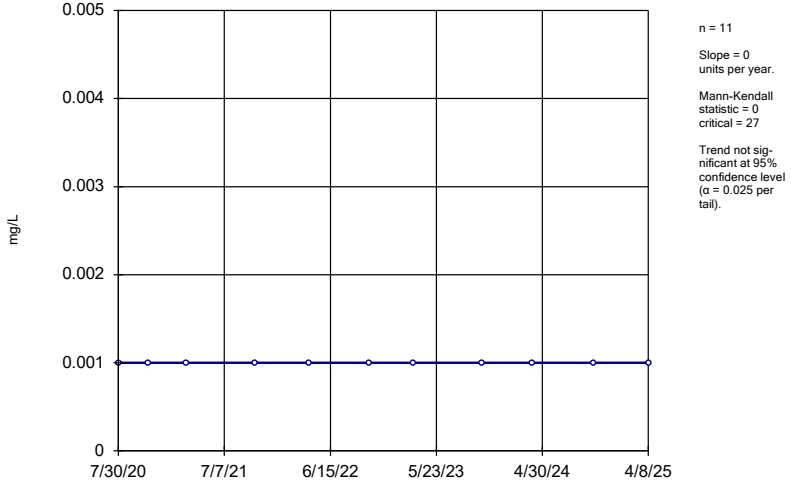


Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

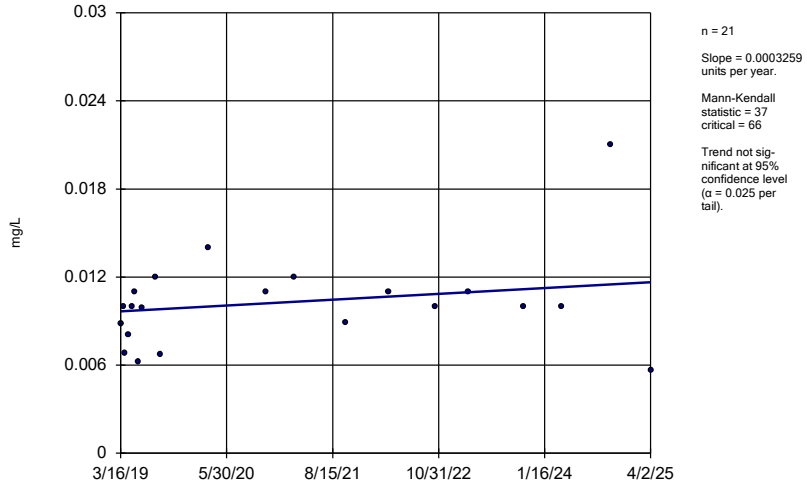


Constituent: Lead Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0.0003259 units per year.

Mann-Kendall statistic = 37
critical = 66

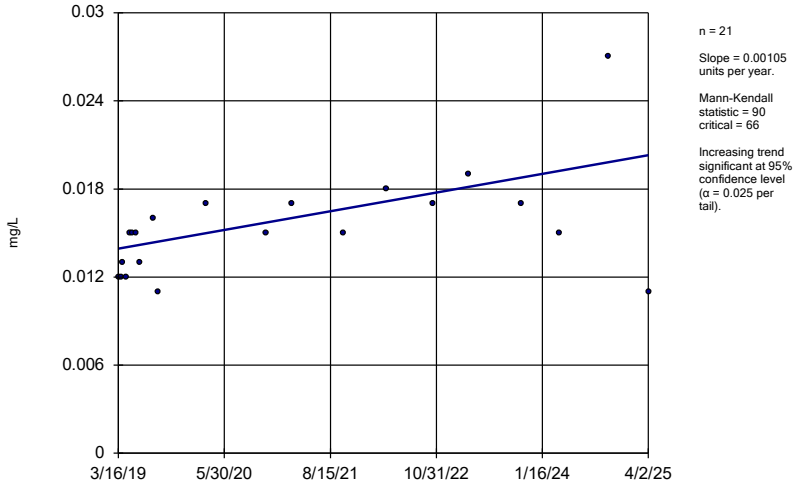
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0.00105 units per year.

Mann-Kendall statistic = 90
critical = 66

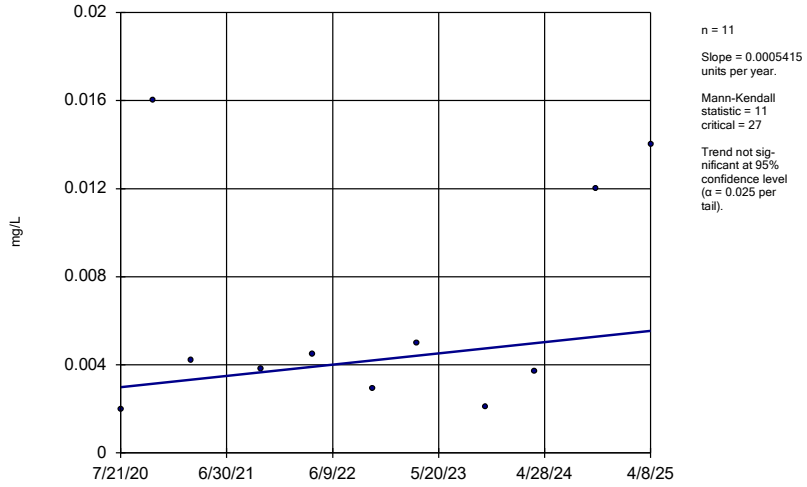
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.0005415 units per year.

Mann-Kendall statistic = 11
critical = 27

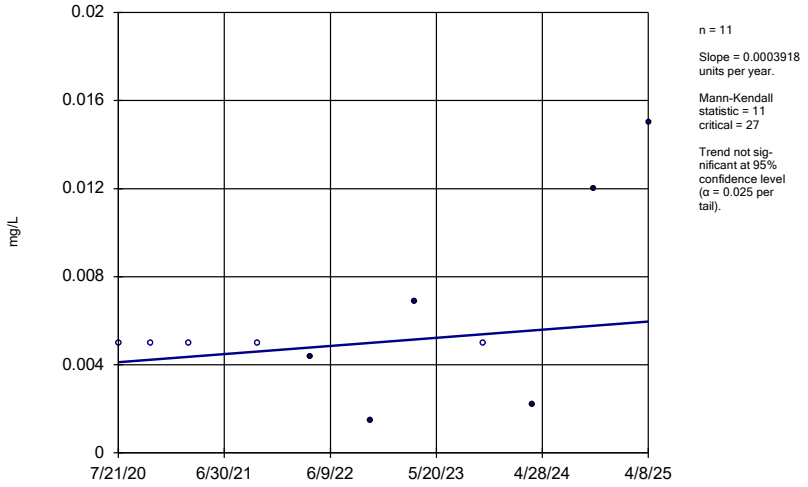
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.0003918 units per year.

Mann-Kendall statistic = 11
critical = 27

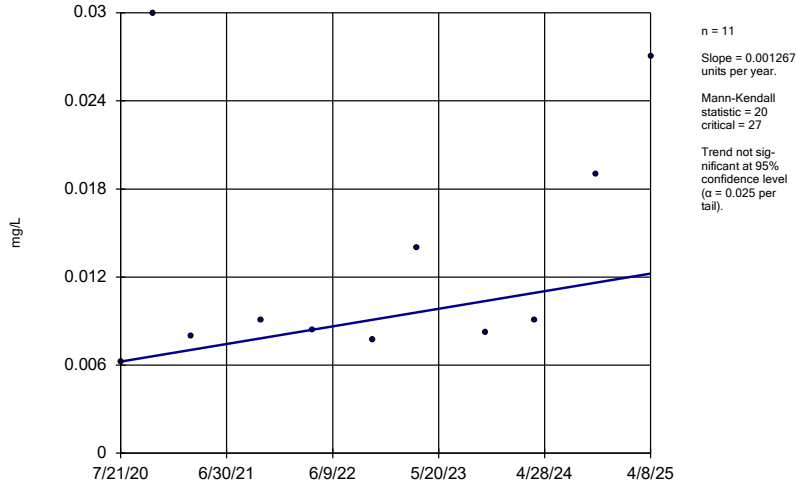
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.001267 units per year.

Mann-Kendall statistic = 20 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

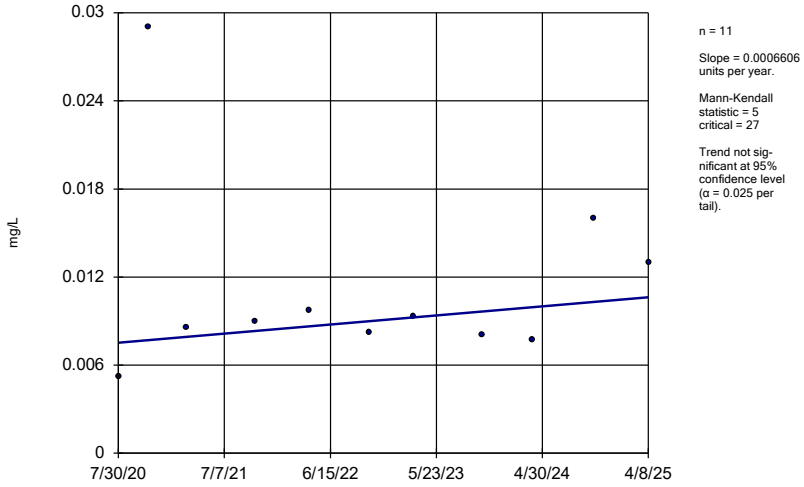
Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.0006606 units per year.

Mann-Kendall statistic = 5 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

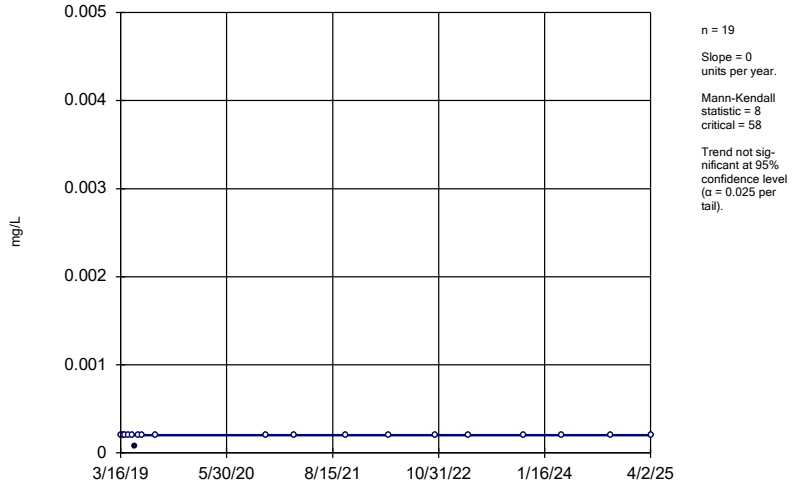
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 58

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

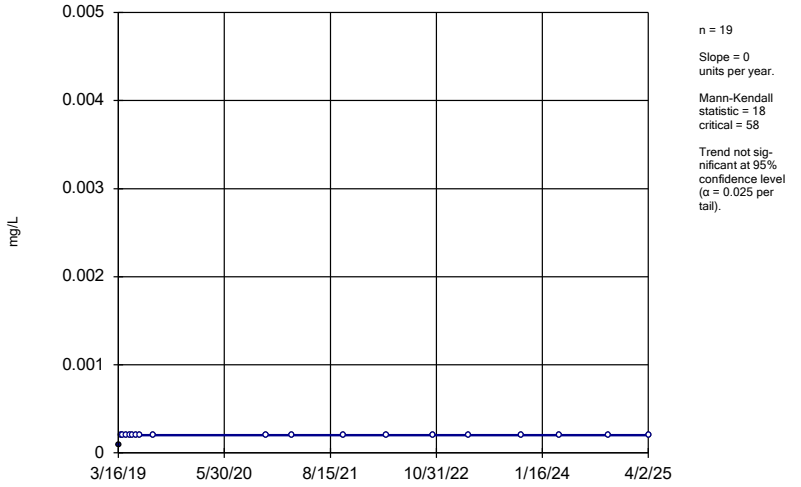
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 18 critical = 58

Trend not significant at 95% confidence level (α = 0.025 per tail).

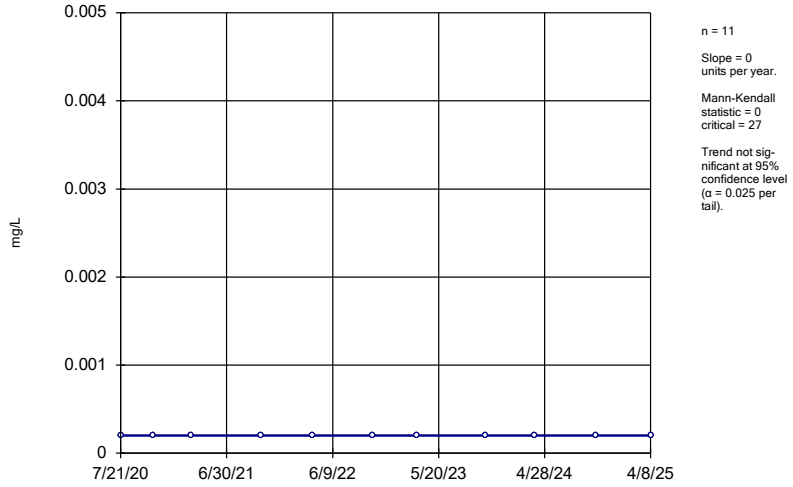
Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

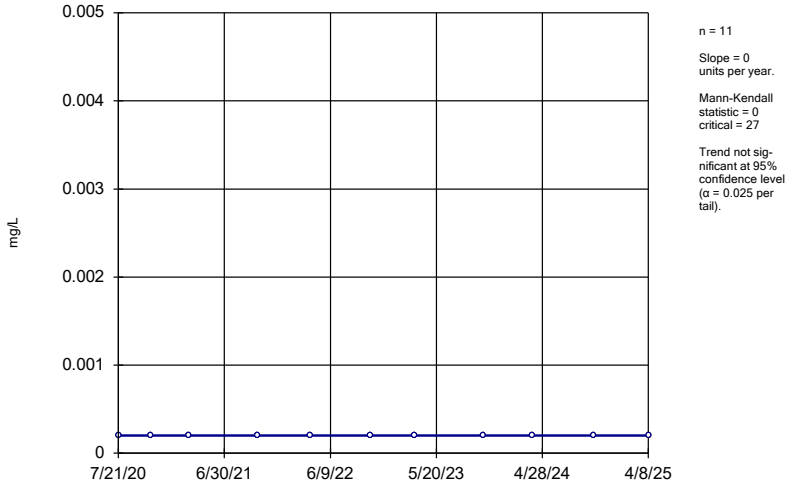


Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

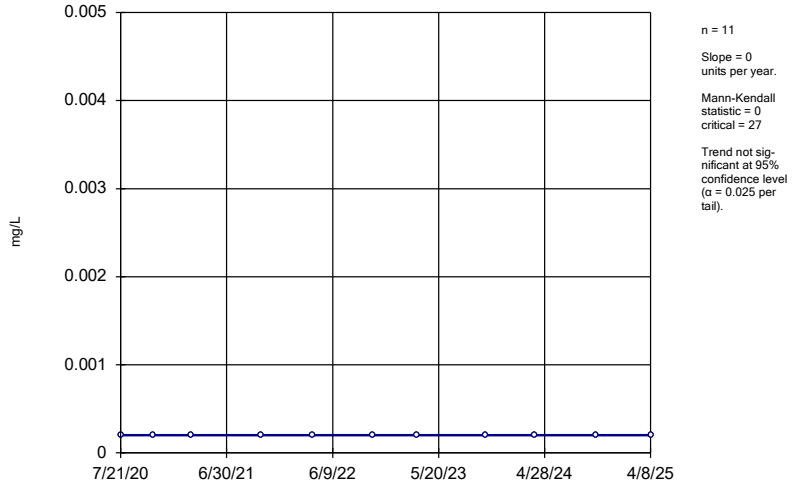


Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

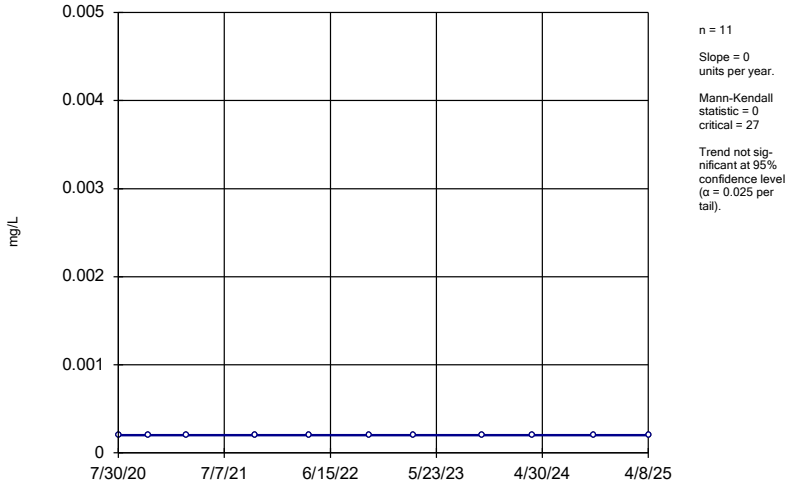


Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

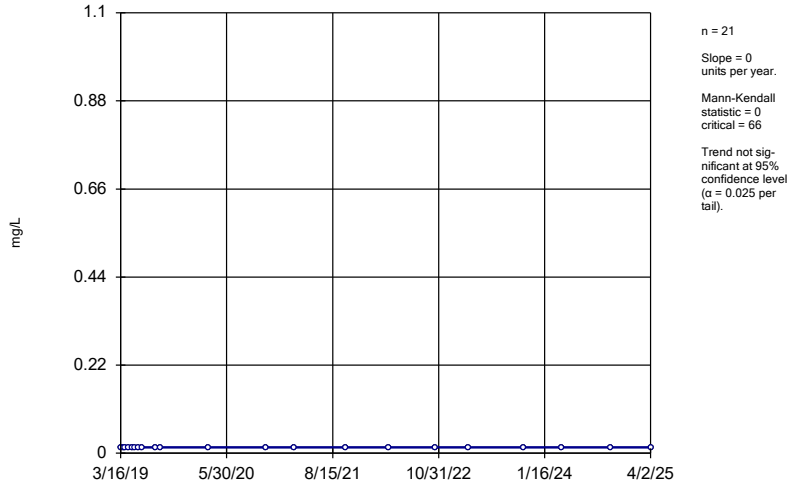


Constituent: Mercury Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

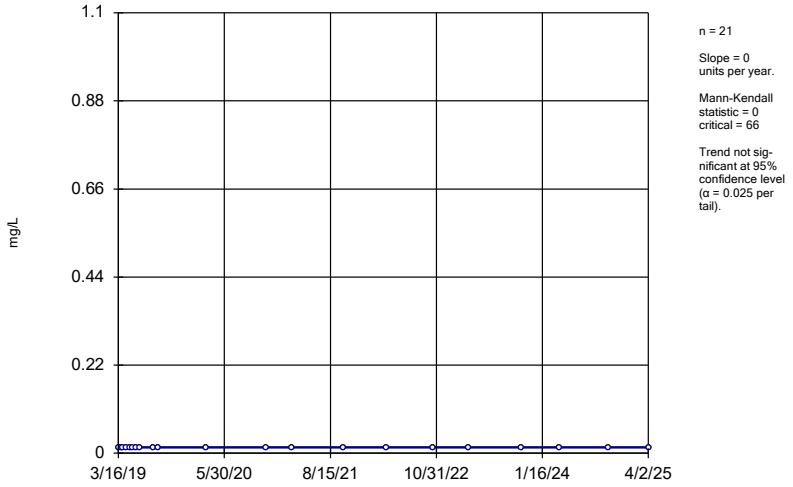


Constituent: Molybdenum Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

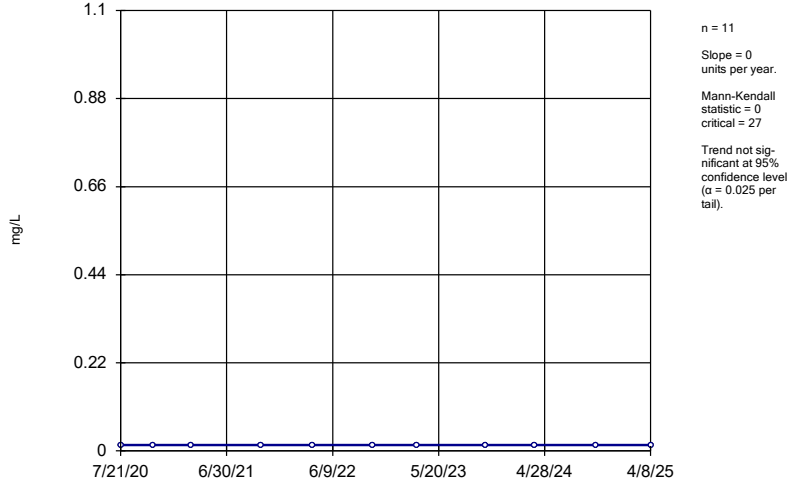


Constituent: Molybdenum Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

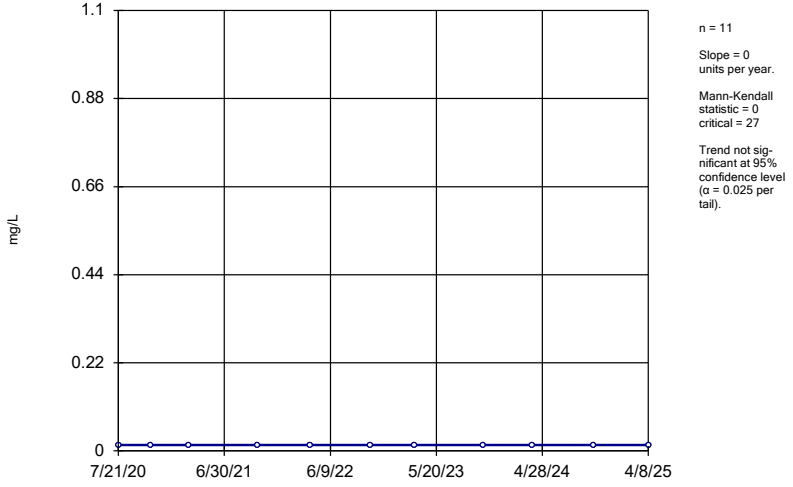


Constituent: Molybdenum Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

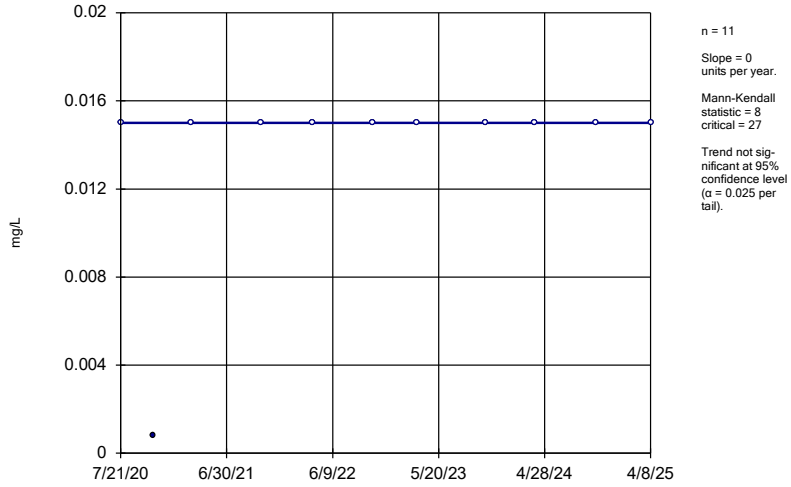


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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

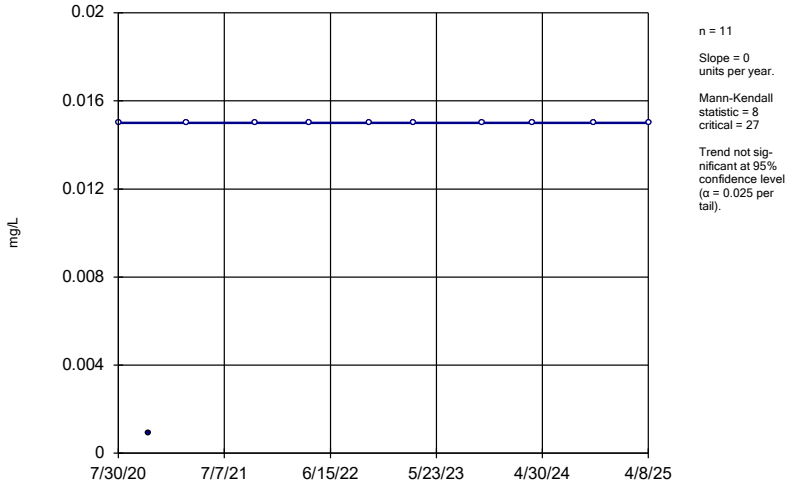


Constituent: Molybdenum Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

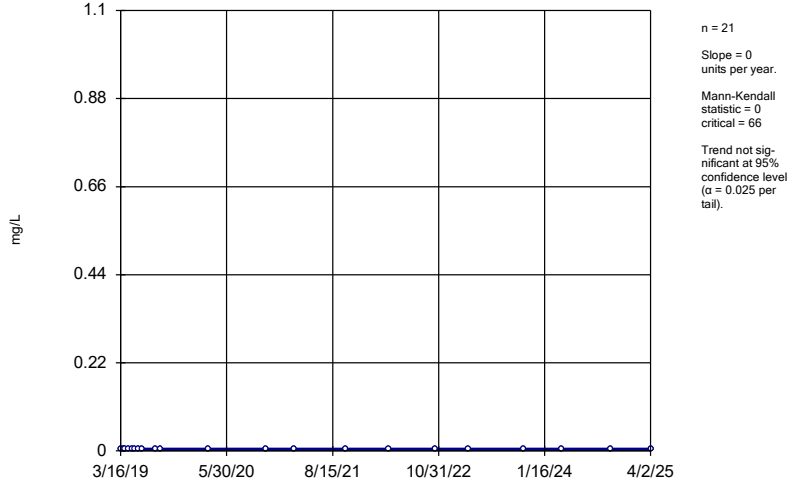


Constituent: Molybdenum Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

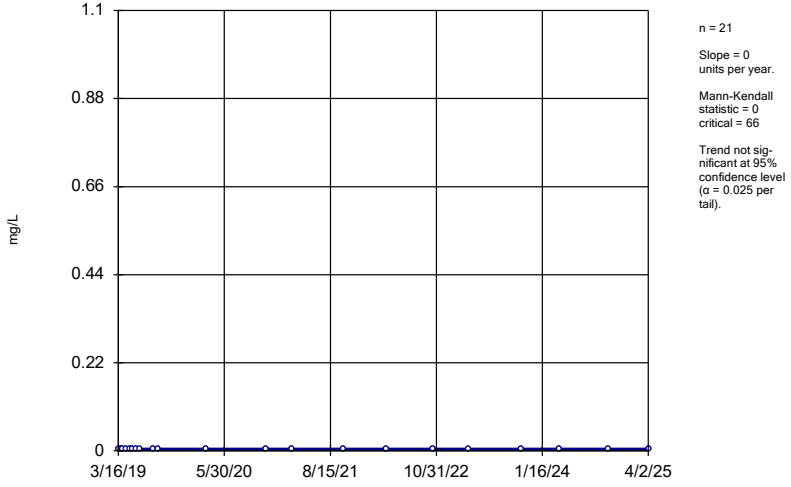


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

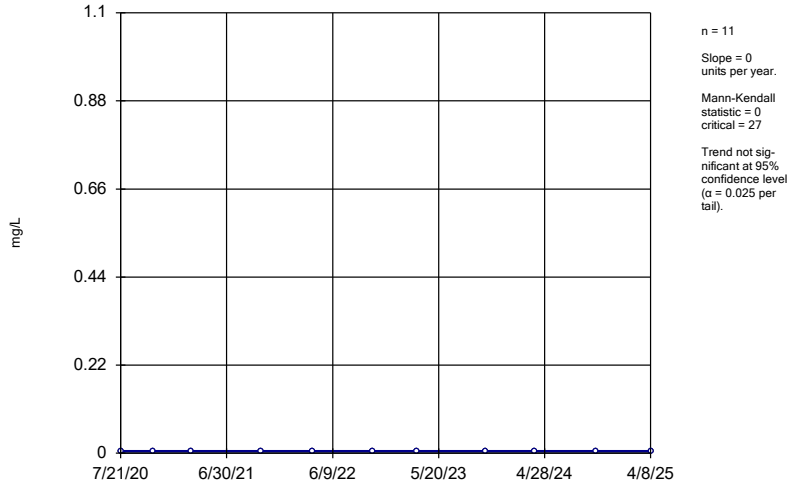


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

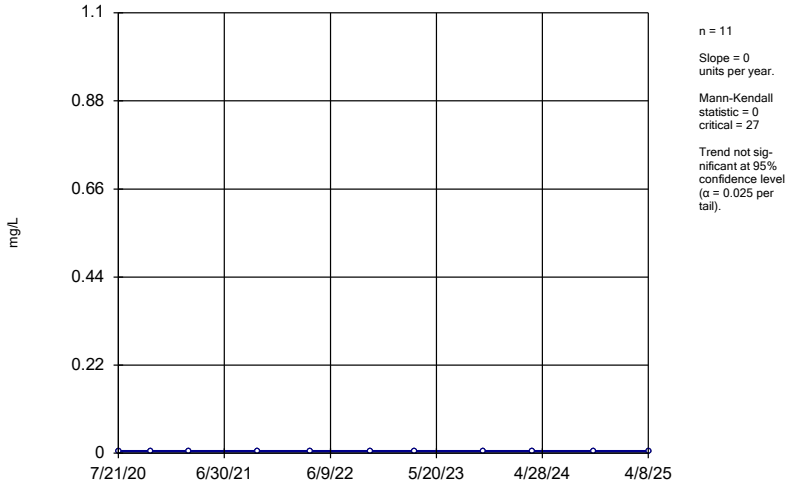


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

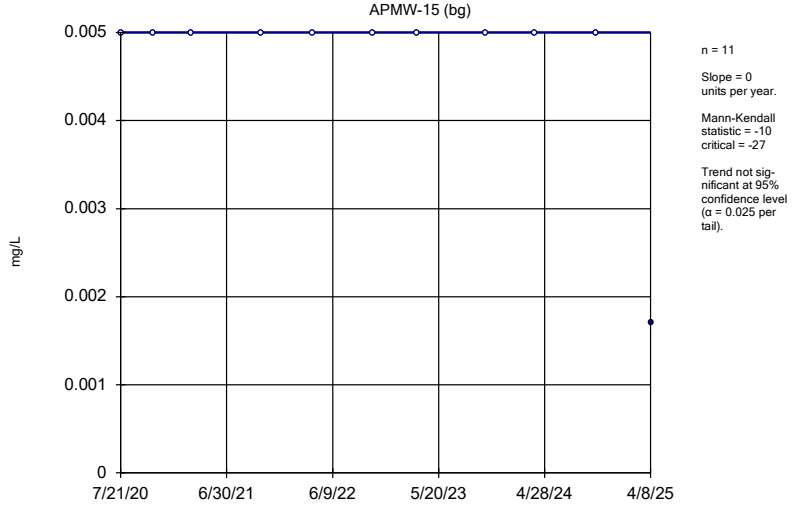


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)

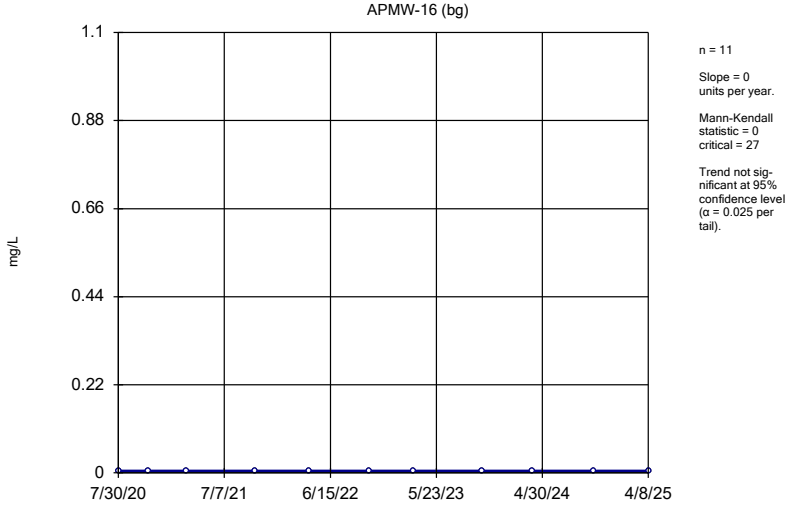


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)

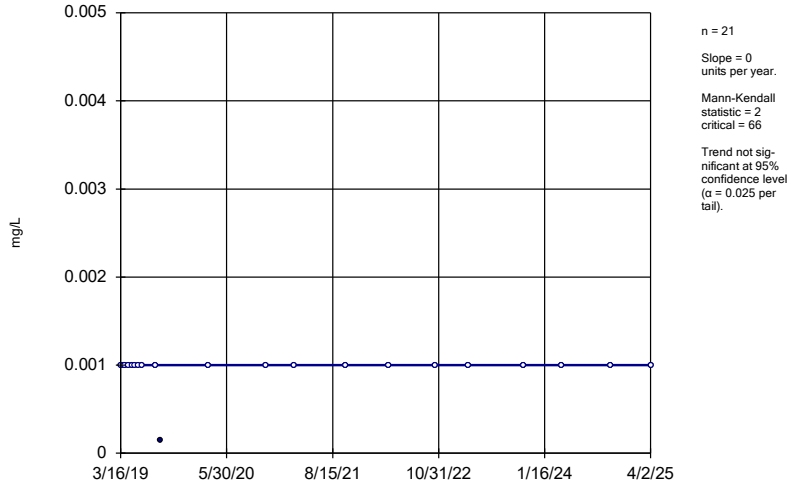


Constituent: Selenium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 66

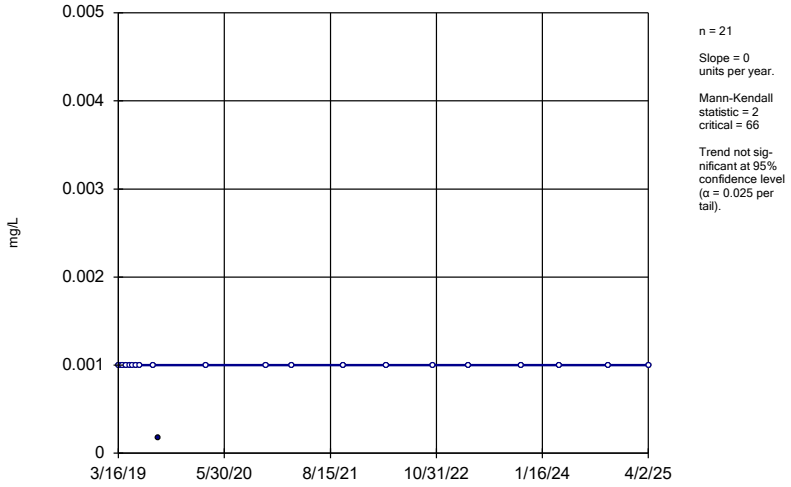
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 66

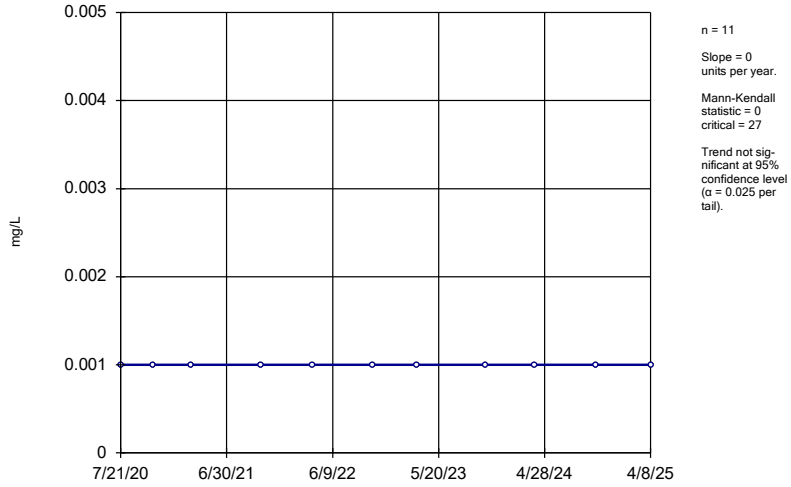
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

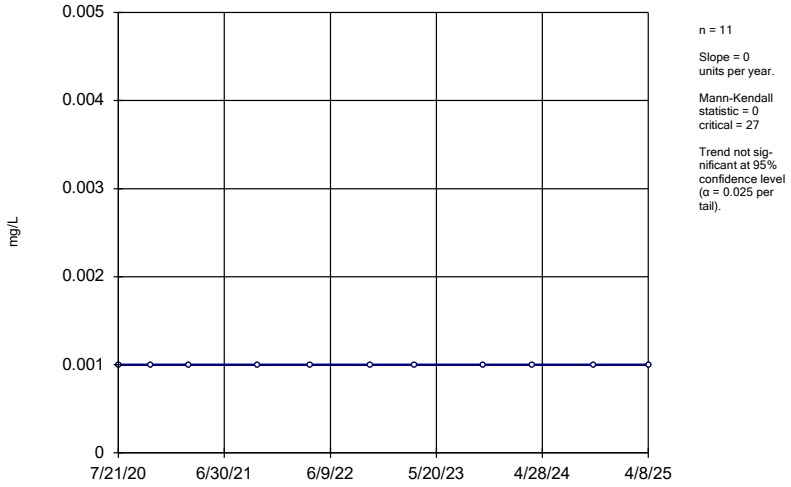
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

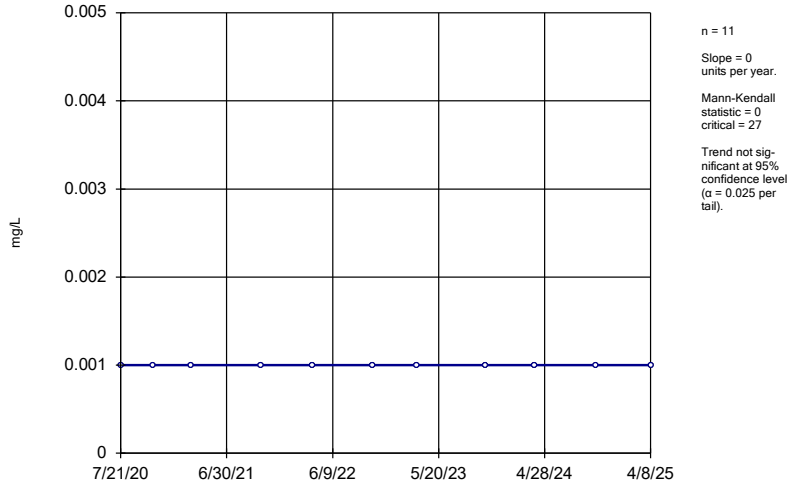
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

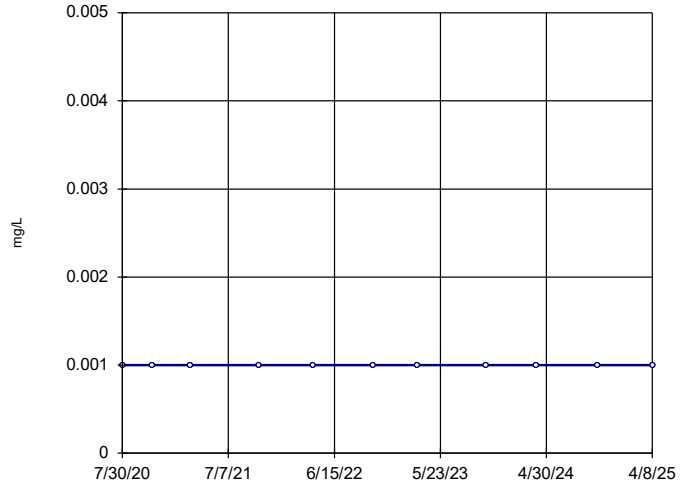
Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 6/16/2025 12:08 PM View: Appendix IV Upgradient

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE E.

Interwell Prediction Limits - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**4/3/2025**	**6.5**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**4/3/2025**	**6.7**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/31/2025**	**12**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**4/3/2025**	**19**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**4/3/2025**	**8.2**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**4/3/2025**	**190**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**4/3/2025**	**330**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**4/4/2025**	**260**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**4/3/2025**	**230**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**3/31/2025**	**370**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**4/3/2025**	**490**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**4/3/2025**	**280**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**4/4/2025**	**8700**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**4/3/2025**	**6600**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
pH (SU)	**APMW-6R**	**6.98**	**5.89**	**3/31/2025**	**5.48**	**Yes**	**85**	**0**	**n/a**	**n/a**	**0.0005335**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**4/4/2025**	**15000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**4/3/2025**	**12000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	4/2/2025	2.9J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**4/3/2025**	**6.5**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-2	1.2	n/a	4/3/2025	3.3J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	4/4/2025	4.5J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-4	1.2	n/a	4/3/2025	1J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**4/3/2025**	**6.7**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/31/2025**	**12**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	4/4/2025	0.97J	No	84	17.86	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**4/3/2025**	**19**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**4/3/2025**	**8.2**	**Yes**	**84**	**17.86**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	150	n/a	4/2/2025	35	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**150**	**n/a**	**4/3/2025**	**190**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**150**	**n/a**	**4/3/2025**	**330**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**150**	**n/a**	**4/4/2025**	**260**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	150	n/a	4/3/2025	110	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**150**	**n/a**	**4/3/2025**	**230**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**150**	**n/a**	**3/31/2025**	**370**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	150	n/a	4/4/2025	110	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**150**	**n/a**	**4/3/2025**	**490**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**150**	**n/a**	**4/3/2025**	**280**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	4/2/2025	510	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	4/3/2025	2700	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	4/3/2025	2600	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**4/4/2025**	**8700**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	4/3/2025	2400	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**4/3/2025**	**6600**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	3/31/2025	3800	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	4/4/2025	4800	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	4/3/2025	4100	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	4/3/2025	3100	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	4/2/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-1R	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	4/4/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	4/3/2025	0.31J	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	3/31/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	4/4/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	4/3/2025	0.47J	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	4/3/2025	0.2ND	No	86	20.93	n/a	n/a	0.0002607	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.98	5.89	4/2/2025	6.84	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-1R	6.98	5.89	4/3/2025	6.36	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-2	6.98	5.89	4/3/2025	5.97	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-3	6.98	5.89	4/4/2025	6.49	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-4	6.98	5.89	4/3/2025	6.31	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-5	6.98	5.89	4/3/2025	6.33	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	**APMW-6R**	**6.98**	**5.89**	**3/31/2025**	**5.48**	**Yes**	**85**	**0**	**n/a**	**n/a**	**0.0005335**	**NP Inter (normality) 1 of 2**
pH (SU)	APMW-7	6.98	5.89	4/4/2025	6.35	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-8	6.98	5.89	4/3/2025	6.69	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
pH (SU)	APMW-9	6.98	5.89	4/3/2025	6.32	No	85	0	n/a	n/a	0.0005335	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-10	1200	n/a	4/2/2025	1ND	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	1200	n/a	4/3/2025	1ND	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	1200	n/a	4/3/2025	3.8J	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-3	1200	n/a	4/4/2025	960	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-4	1200	n/a	4/3/2025	180	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	1200	n/a	4/3/2025	590	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	1200	n/a	3/31/2025	820	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	1200	n/a	4/4/2025	71	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	1200	n/a	4/3/2025	570	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	1200	n/a	4/3/2025	190	No	83	15.66	n/a	n/a	0.0002789	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	4/2/2025	1200	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	4/3/2025	4200	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	4/3/2025	4000	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**4/4/2025**	**15000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	4/3/2025	3700	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**4/3/2025**	**12000**	**Yes**	**84**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	3/31/2025	7300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	4/4/2025	7500	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

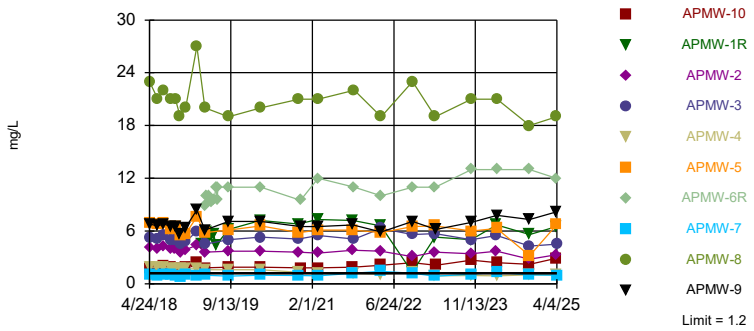
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	4/3/2025	7300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	4/3/2025	5300	No	84	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2

Exceeds Limit: APMW-1R, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. 17.86% NDs. Annual per-constituent alpha = 0.005442. Individual comparison alpha = 0.0002728 (1 of 2). Comparing 10 points to limit.

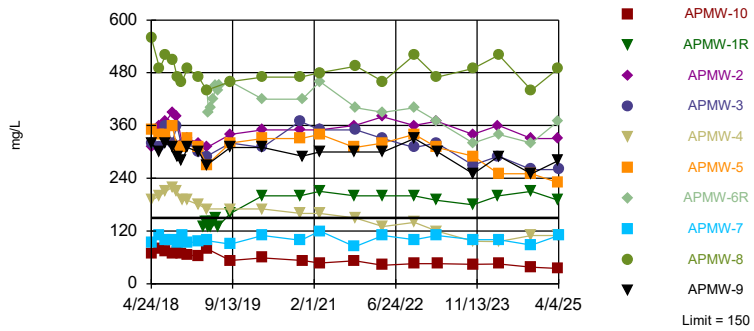
Constituent: Boron Analysis Run 6/13/2025 8:33 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limit: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. Annual per-constituent alpha = 0.005442. Individual comparison alpha = 0.0002728 (1 of 2). Comparing 10 points to limit.

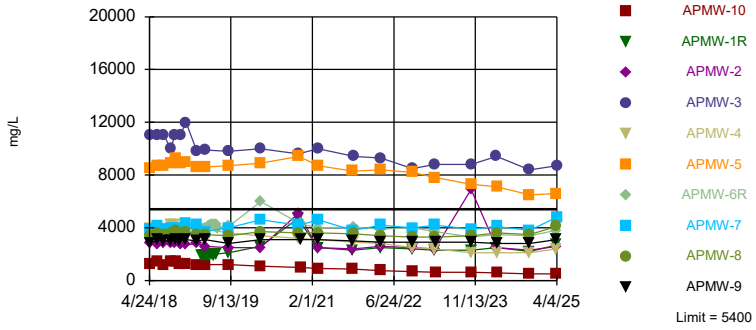
Constituent: Calcium Analysis Run 6/13/2025 8:33 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. Annual per-constituent alpha = 0.005442. Individual comparison alpha = 0.0002728 (1 of 2). Comparing 10 points to limit.

Constituent: Chloride Analysis Run 6/13/2025 8:33 PM View: Appendix III

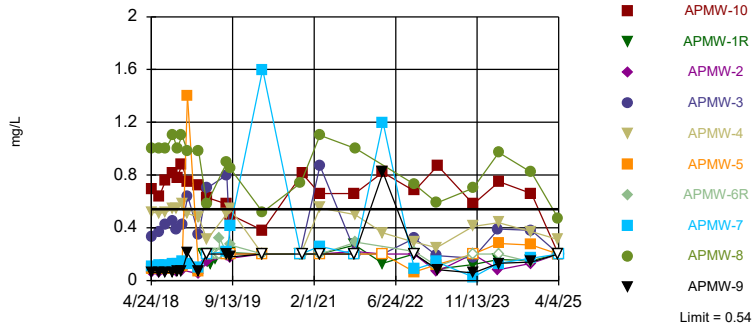
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 86 background values. 20.93% NDs. Annual per-constituent alpha = 0.005201. Individual comparison alpha = 0.0002607 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 6/13/2025 8:33 PM View: Appendix III

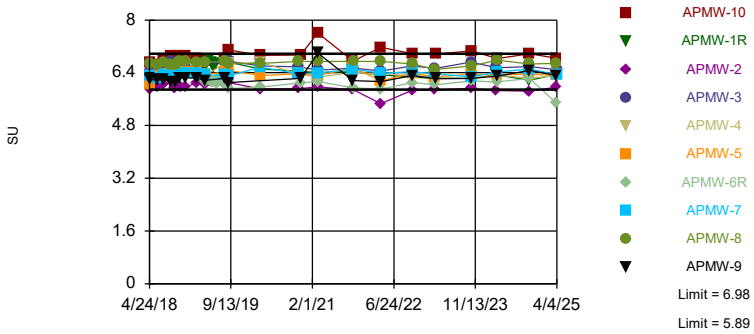
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limits: APMW-6R

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 85 background values. Annual per-constituent alpha = 0.01064. Individual comparison alpha = 0.0005335 (1 of 2). Comparing 10 points to limit.

Constituent: pH Analysis Run 6/13/2025 8:33 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

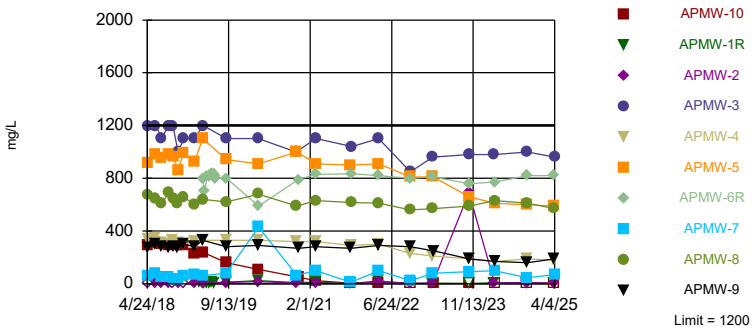
Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 83 background values. 15.66% NDs. Annual per-constituent alpha = 0.005563. Individual comparison alpha = 0.0002789 (1 of 2). Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 6/13/2025 8:33 PM View: Appendix III

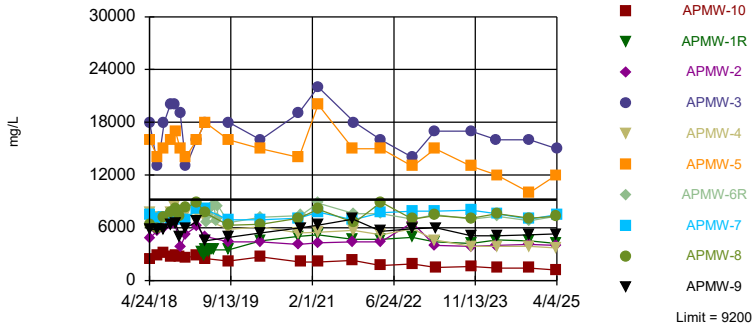
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. Annual per-constituent alpha = 0.005442. Individual comparison alpha = 0.0002728 (1 of 2). Comparing 10 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/13/2025 8:33 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/24/2018	5.3	1.9	4.1						
4/25/2018				1.7	6.9	1	6.8	23	
6/13/2018				1.7			6.6		
6/14/2018	5.1	1.9	4		6.8	0.91		21	
7/23/2018				2			6.8	22	
7/24/2018	5.5	1.9	4.3		6.9	1			
9/1/2018	4.9	1.7	4	1.9	6.2				
9/6/2018						1.1	6.5	21	
10/1/2018	5	1.7	4						
10/2/2018				1.8	6.5	0.95	6.5	21	
11/1/2018				1.8			5.6	19	
11/2/2018	4.6	1.7	3.5		5.5	0.82			
12/6/2018		1.7		1.9	5.7	1.1	6.4	20	
12/7/2018	4.8		3.9						
2/13/2019	6	1.7	4.4	2.4	7.6	0.95	8.4	27	
3/16/2019									0.028 (J)
3/27/2019									0.027 (JD)
4/3/2019									0.089 (D)
4/4/2019				1.8	5.8	0.98	6.1	20	
4/5/2019	4.5	1.6	3.6						
4/15/2019									
4/16/2019									<0.08
5/2/2019									
5/3/2019									<0.08
5/14/2019									<0.08
5/28/2019									
5/29/2019									0.034 (J)
6/12/2019									0.05 (J)
6/19/2019									
6/25/2019									
8/29/2019									<0.08
8/30/2019	5	1.6	3.7	1.9	6.1	0.88	7.1	19	
3/16/2020	5.3	1.6	3.7						
3/17/2020				1.9	6.6	0.98	7.1	20	0.057 (J)
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	5.1		3.6						
11/9/2020		1.3			5.8			21	<0.08
11/10/2020						0.94			
11/20/2020				1.8			6.5		
3/8/2021			3.5	1.8			6.5		
3/9/2021	5.5	1.2			6.1	0.91		21	
3/10/2021									<0.08
10/11/2021									0.053 (J)
10/12/2021			3.8	1.9	6.1	1.2	6.7		
10/14/2021		1.2							
10/15/2021									
10/20/2021									
10/21/2021	5.1							22	
4/4/2022									0.11

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/5/2022	6.3		3.7	2.1					
4/6/2022		1.1			5.8	1.4	5.9	19	
4/7/2022									
10/17/2022			3.1						<0.08
10/18/2022	5.6			2.4		1.2	7.1	23	
10/19/2022		1.3			6.5				
3/7/2023									<0.08
3/8/2023	5.7	0.89	3.6						
3/9/2023					6.6	0.87		19	
3/10/2023									
3/13/2023				2.1			6.2		
3/14/2023									
10/18/2023									
10/19/2023	5	0.93	3.4						
10/20/2023					6	1.1	7	21	
10/21/2023				2.7					0.056 (J)
3/25/2024	5.5		3.7						
3/26/2024		0.92			6.3	1.3			
3/28/2024							7.8	21	
3/29/2024				2.4					<0.08
10/14/2024									
10/16/2024			2.8	2.2 (J)			7.3 (J)		0.026 (J)
10/17/2024	4.3 (J)	1			3.2 (J)	1		18	
3/31/2025									
4/2/2025				2.9 (J)					0.038 (J)
4/3/2025		1 (J)	3.3 (J)		6.7		8.2	19	
4/4/2025	4.5 (J)					0.97 (J)			
4/8/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	4.5	0.035 (J)					
3/27/2019	5.2	0.033 (JD)					
4/3/2019	5.3	0.023 (JD)					
4/4/2019							
4/5/2019			8.9 (D)				
4/15/2019	5.9		10				
4/16/2019		<0.08					
5/2/2019	5.3		10				
5/3/2019		0.021 (J)					
5/14/2019	5.5	<0.08	9.3				
5/28/2019	5.7						
5/29/2019		0.044 (J)	9.5				
6/12/2019	4.4	0.047 (J)	11				
6/19/2019			9.5				
6/25/2019			11				
8/29/2019		<0.08					
8/30/2019	6.2		11				
3/16/2020	7.2						
3/17/2020		0.057 (J)	11				
7/21/2020				0.58	0.718	0.609	
7/30/2020							0.62
11/3/2020						1.2	
11/4/2020	6.8			0.88	0.85		1.2
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		0.098	9.5				
3/8/2021	7.3			0.63	0.71	0.59	0.6
3/9/2021			12				
3/10/2021		0.046 (J)					
10/11/2021		0.045 (J)					
10/12/2021	7.2						
10/14/2021							
10/15/2021					0.78		0.77
10/20/2021			11	0.64		0.65	
10/21/2021							
4/4/2022	6.6	0.082					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			10	0.61	0.71	0.61	0.58
10/17/2022	1.3	<0.08					
10/18/2022							
10/19/2022			11	0.66	0.75	0.73	0.71
3/7/2023							
3/8/2023	5.3						
3/9/2023			11				
3/10/2023				0.66	0.69	0.66	0.67
3/13/2023							
3/14/2023		<0.08					
10/18/2023				0.62	0.77	0.72	0.71
10/19/2023	5						
10/20/2023			13				
10/21/2023		0.047 (J)					
3/25/2024	6.7						
3/26/2024			13				
3/28/2024					0.84	0.86	1
3/29/2024		<0.08		0.54			
10/14/2024				0.69	0.78	0.7	0.74
10/16/2024	5.6	0.046 (J)					
10/17/2024			13				
3/31/2025			12				
4/2/2025		0.033 (J)					
4/3/2025	6.5						
4/4/2025							
4/8/2025				0.6 (J)	0.82 (J)	0.68 (J)	0.75 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/24/2018	320	190	310						
4/25/2018				68	350	93	320	560	
6/13/2018				79			300		
6/14/2018	310	200	360		340	110		490	
7/23/2018				73			320	520	
7/24/2018	360	210	370		340	100			
9/1/2018	320	220	390	68	360				
9/6/2018						98	310	510	
10/1/2018	360	210	380						
10/2/2018				71	310	93	290	470	
11/1/2018				67			280	460	
11/2/2018	310	190	320		310	110			
12/6/2018		190		65	330	94	310	490	
12/7/2018	320		330						
2/13/2019	300	180	320	64	310	95	300	470	
3/16/2019									17
3/27/2019									16 (D)
4/3/2019									15 (D)
4/4/2019				80	270	98	270	440	
4/5/2019	290	170	310						
4/15/2019									
4/16/2019									13
5/2/2019									
5/3/2019									12
5/14/2019									14
5/28/2019									
5/29/2019									7
6/12/2019									13
6/19/2019									
6/25/2019									
8/29/2019									9.4
8/30/2019	320	170	340	53	320	90	310	460	
3/16/2020	310	170	350						
3/17/2020				59	330	110	310	470	9.8
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	370		350						
11/9/2020		160			330			470	11
11/10/2020						99			
11/20/2020				53			290		
3/8/2021			350	47			300		
3/9/2021	350	160			340	120		480	
3/10/2021									12
10/11/2021									11
10/12/2021			360	52	310	84	300		
10/14/2021		150							
10/15/2021									
10/20/2021									
10/21/2021	350 (D)							495 (D)	
4/4/2022									11

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/5/2022	330		380	42					
4/6/2022		130			320	110	300	460	
4/7/2022									
10/17/2022			360						9.5
10/18/2022	310			46		100	330	520	
10/19/2022		140			340				
3/7/2023									9.7
3/8/2023	320	120	370						
3/9/2023					310	110		470	
3/10/2023									
3/13/2023				46			300		
3/14/2023									
10/18/2023									
10/19/2023	270	97	340						
10/20/2023					290	100	250	490	
10/21/2023				44					10
3/25/2024	290		360						
3/26/2024		96			250	100			
3/28/2024							290	520	
3/29/2024				45					13
10/14/2024									
10/16/2024			330	38			250		12
10/17/2024	260	110			250	88		440	
3/31/2025									
4/2/2025				35					10
4/3/2025		110	330		230		280	490	
4/4/2025	260					110			
4/8/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	130	13					
3/27/2019	140	15 (D)					
4/3/2019	140	13 (D)					
4/4/2019							
4/5/2019			440 (D)				
4/15/2019	130		390				
4/16/2019		12					
5/2/2019	130		400				
5/3/2019		13					
5/14/2019	140	13	420				
5/28/2019	150						
5/29/2019		15	450				
6/12/2019	130	14	440				
6/19/2019			450				
6/25/2019			450				
8/29/2019		12					
8/30/2019	160		460				
3/16/2020	200						
3/17/2020		12	420				
7/21/2020				97.7	127	81.7	
7/30/2020							99.2
11/3/2020						120	
11/4/2020	200			110	120		130
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		12	420				
3/8/2021	210			92	110	69	69
3/9/2021			460				
3/10/2021		12					
10/11/2021		12					
10/12/2021	200						
10/14/2021							
10/15/2021					110		75
10/20/2021			400 (D)	97		68 (D)	
10/21/2021							
4/4/2022	200	12					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			390	96	110	64	67
10/17/2022	200	10					
10/18/2022							
10/19/2022			400	100	110	65	82
3/7/2023							
3/8/2023	190						
3/9/2023			370				
3/10/2023				91	110	60	57
3/13/2023							
3/14/2023		12					
10/18/2023				87	130	61	73
10/19/2023	180						
10/20/2023			320				
10/21/2023		12					
3/25/2024	200						
3/26/2024			340				
3/28/2024					130	58	75
3/29/2024		13		100			
10/14/2024				100	150	74	70
10/16/2024	210	14					
10/17/2024			320				
3/31/2025			370				
4/2/2025		12					
4/3/2025	190						
4/4/2025							
4/8/2025				95	150	60	56

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/24/2018	11000	4000	2800						
4/25/2018				1300	8500	3900	2800	3400	
6/13/2018				1400			3100		
6/14/2018	11000	4000	2700		8700	4100		3600	
7/23/2018				1200			3000	3500	
7/24/2018	11000	3900	2800		8700	3900			
9/1/2018	10000	4200	2800	1400	8900				
9/6/2018						4000	3000	3600	
10/1/2018	11000	4200	2800						
10/2/2018				1400	9300	4000	3100	3800	
11/1/2018				1300			3000	3600	
11/2/2018	11000	4000	2700		8900	3800			
12/6/2018		4000		1300	9000	4300	3100	3700	
12/7/2018	12000		2700						
2/13/2019	9800	3800	2800	1200	8600	4200	3000	3500	
3/16/2019									9.3
3/27/2019									8.2 (D)
4/3/2019									8.7 (D)
4/4/2019				1200	8600	3700	3100	3500	
4/5/2019	9900	3900	2600						
4/15/2019									
4/16/2019									8.7
5/2/2019									
5/3/2019									9.3
5/14/2019									8.8
5/28/2019									
5/29/2019									8.8
6/12/2019									8.8
6/19/2019									
6/25/2019									
8/29/2019									8.1
8/30/2019	9800	3600	2500	1200	8700	4000	2800	3400	
3/16/2020	10000	3400	2500						
3/17/2020				1100	8900	4600	3100	3700	8.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	9600		5100						
11/9/2020		3200			9400			3600	9.1
11/10/2020						4200			
11/20/2020				1000			3100		
3/8/2021			2500	920			3100		
3/9/2021	10000	3100			8700	4600		3600	
3/10/2021									8.9
10/11/2021									8.9
10/12/2021			2400	860	8300	3800	3000		
10/14/2021		2900							
10/15/2021									
10/20/2021									
10/21/2021	9400 (D)							3550 (D)	
4/4/2022									8.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-10	APMW-5	APMW-7	APMW-9	APMW-8	APMW-11 (bg)
4/5/2022	9300		2600	760					
4/6/2022		2800			8400	4200	2900	3400	
4/7/2022									
10/17/2022			2500						7.5
10/18/2022	8500			680		4000	2900	3300	
10/19/2022		2500			8200				
3/7/2023									7.7
3/8/2023	8800	2400	2400						
3/9/2023					7800	4200		3300	
3/10/2023									
3/13/2023				620			2900		
3/14/2023									
10/18/2023									
10/19/2023	8800	2100	6900						
10/20/2023					7300	3900	2900	3400	
10/21/2023				630					9
3/25/2024	9400		2500						
3/26/2024		2100			7100	4100			
3/28/2024							2800	3600	
3/29/2024				570					8.7
10/14/2024									
10/16/2024			2300	510			2800		8.8
10/17/2024	8400	2100			6500	3800		3500	
3/31/2025									
4/2/2025				510					8.3
4/3/2025		2400	2600		6600		3100	4100	
4/4/2025	8700					4800			
4/8/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	1900	14					
3/27/2019	1900	15 (D)					
4/3/2019	1900	15 (D)					
4/4/2019							
4/5/2019			4000 (D)				
4/15/2019	1900		3400				
4/16/2019		14					
5/2/2019	1900		4100				
5/3/2019		15					
5/14/2019	2000	15	4200				
5/28/2019	1900						
5/29/2019		14	4200				
6/12/2019	2000	15	4200				
6/19/2019			4000				
6/25/2019			4000				
8/29/2019		14					
8/30/2019	2100		4100				
3/16/2020	2600						
3/17/2020		14	6000				
7/21/2020				1470	2920	2910	
7/30/2020							2830
11/3/2020						4900	
11/4/2020	4700			5400	3100		4700
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		16	4300				
3/8/2021	2500			1600	3000	2900	2600
3/9/2021			4000				
3/10/2021		15					
10/11/2021		15					
10/12/2021	2300						
10/14/2021							
10/15/2021					2800		3100
10/20/2021			4050 (D)	3400		4100 (D)	
10/21/2021							
4/4/2022	2500	14					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			3900	1400	2900	3000	3100
10/17/2022	2400	13					
10/18/2022							
10/19/2022			4000	1400	2900	2700	3000
3/7/2023							
3/8/2023	2300						
3/9/2023			3700				
3/10/2023				1300	2700	2800	2600
3/13/2023							
3/14/2023		14					
10/18/2023				1300	3200	2900	3200
10/19/2023	2300						
10/20/2023			3300				
10/21/2023		13					
3/25/2024	2500						
3/26/2024			3500				
3/28/2024					3000	2800	2900
3/29/2024		13		1400			
10/14/2024				1300	2600	2900	2800
10/16/2024	2200	14					
10/17/2024			3400				
3/31/2025			3800				
4/2/2025		13					
4/3/2025	2700						
4/4/2025							
4/8/2025				1400	2900	2800	2600

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-11 (bg)
4/24/2018	0.33	0.52	0.06 (J)						
4/25/2018				0.06 (J)	1	0.11	0.09 (J)	0.69	
6/13/2018				0.06 (J)				0.64	
6/14/2018	0.37	0.51	0.06 (J)		1	0.12	0.09 (J)		
7/23/2018				0.06 (J)	1			0.76	
7/24/2018	0.42	0.52	0.07 (J)			0.12	0.09 (J)		
9/1/2018	0.45	0.54	0.08 (J)				0.1	0.81	
9/6/2018				0.06 (J)	1.1	0.13			
10/1/2018	0.39	0.54	0.07 (J)						
10/2/2018				0.07 (J)	1	0.13	0.09 (J)	0.78	
11/1/2018				0.07 (J)	1.1			0.88	
11/2/2018	0.42	0.58	0.08 (J)			0.14	0.11		
12/6/2018		0.51		0.21	0.98	0.13	1.4	0.75	
12/7/2018	0.64		4.3 (o)						
2/13/2019	0.35	0.48	0.05 (J)	0.07 (J)	0.98	0.1	0.07 (J)	0.72	
3/16/2019									0.047 (J)
3/27/2019									<0.2 (D)
4/3/2019									<0.2 (D)
4/4/2019				<0.2	0.58 (J)	<0.2	<0.2	0.63	
4/5/2019	0.7 (J)	0.31 (J)	0.14 (J)						
4/15/2019									
4/16/2019									0.034 (J)
5/2/2019									
5/3/2019									0.042 (J)
5/14/2019									0.039 (J)
5/28/2019									
5/29/2019									<0.2
6/12/2019									<0.2
6/19/2019									
6/25/2019									
8/8/2019	0.8 (J)		0.19 (J)	0.2 (J)				0.58	0.051 (J)
8/9/2019		0.51			0.9 (J)	0.22 (J)	<0.2		
8/29/2019									0.061 (J)
8/30/2019	<0.2	0.54 (J)	0.17 (J)	0.18 (J)	0.85 (J)	0.41 (J)	<0.2	0.5	
3/16/2020	<0.2	<0.2	<0.2						
3/17/2020				<0.2	0.52 (J)	1.6	<0.2	0.38	<0.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	<0.2		<0.2						
11/9/2020		<0.2			0.74 (J)		<0.2		<0.2
11/10/2020						<0.2			
11/20/2020				<0.2				0.81	
3/8/2021			<0.2	<0.2				0.66	
3/9/2021	0.87 (J)	0.55 (J)			1.1 (J)	0.26 (J)	<0.2		
3/10/2021									0.056 (J)
10/11/2021									0.041 (J)
10/12/2021			0.22 (J)	<0.2		<0.2	<0.2	0.66	
10/14/2021		0.5 (J)							
10/15/2021									
10/20/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-11 (bg)
10/21/2021	<0.2				1 (J)				
4/4/2022									0.062 (J)
4/5/2022	<0.2		<0.2					0.82	
4/6/2022		0.36 (J)		0.82 (J)	16 (o)	1.2 (J)	<0.2		
4/7/2022									
10/17/2022			<0.2						<0.2
10/18/2022	0.32 (J)			<0.2	0.73	0.084 (J)		0.68	
10/19/2022		0.29					0.065 (J)		
3/7/2023									0.051 (J)
3/8/2023	0.19 (J)	0.25	0.068 (J)						
3/9/2023					0.59	0.14 (J)	0.12 (J)		
3/10/2023									
3/13/2023				0.081 (J)				0.87	
3/14/2023									
10/18/2023									
10/19/2023	0.17 (J)	0.41	<0.2						
10/20/2023				0.057 (J)	0.7	0.026 (J)	<0.2		
10/21/2023								0.58	0.048 (J)
3/25/2024	0.39 (J)		0.082 (J)						
3/26/2024		0.44 (J)				0.13 (J)	0.28 (J)		
3/28/2024				0.13 (J)	0.97 (J)				
3/29/2024								0.75	0.049 (J)
10/14/2024									
10/16/2024			0.13 (J)	0.14 (J)				0.66	0.066 (J)
10/17/2024	0.38 (J)	0.37 (J)			0.82 (J)	0.17 (J)	0.27 (J)		
3/31/2025									
4/2/2025								<0.2	<0.2
4/3/2025		0.31 (J)	<0.2	<0.2	0.47 (J)		<0.2		
4/4/2025	<0.2					<0.2			
4/8/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	<0.2	0.041 (J)					
3/27/2019	<0.2	0.49 (D)					
4/3/2019	<0.2	0.086 (JD)					
4/4/2019							
4/5/2019			<0.2 (D)				
4/15/2019	0.14 (J)		<0.2				
4/16/2019		0.055 (J)					
5/2/2019	0.13 (J)		<0.2				
5/3/2019		0.058 (J)					
5/14/2019	<0.2	0.071 (J)	<0.2				
5/28/2019	0.16 (J)						
5/29/2019		0.042 (J)	<0.2				
6/12/2019	<0.2	0.037 (J)	<0.2				
6/19/2019			<0.2				
6/25/2019			0.32 (J)				
8/8/2019	0.21 (J)	0.072 (J)					
8/9/2019			<0.2				
8/29/2019		0.065 (J)					
8/30/2019	0.21 (J)		0.27 (J)				
3/16/2020	<0.2						
3/17/2020		0.036 (J)	<0.2				
7/21/2020				0.09 (J)	0.17	0.07 (J)	
7/30/2020							0.19
11/3/2020					<0.2		
11/4/2020	<0.2			0.24 (J)		<0.2	<0.2
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		<0.2	<0.2				
3/8/2021	<0.2			0.17 (J)	0.41 (J)	<0.2	0.28 (J)
3/9/2021			<0.2				
3/10/2021		0.052 (J)					
10/11/2021		0.079 (J)					
10/12/2021	0.27 (J)						
10/14/2021							
10/15/2021						0.19 (J)	0.44 (J)
10/20/2021			0.29 (J)	0.14 (J)	0.25 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	0.13 (J)	0.051 (J)					
4/5/2022							
4/6/2022							
4/7/2022			6.4 (o)	0.39 (J)	0.25 (J)	<0.2	0.54 (J)
10/17/2022	<0.2	<0.2					
10/18/2022							
10/19/2022			0.22	0.034 (J)	0.13 (J)	<0.2	0.094 (J)
3/7/2023							
3/8/2023	0.086 (J)						
3/9/2023			0.11 (J)				
3/10/2023				0.064 (J)	0.19 (J)	0.094 (J)	0.18 (J)
3/13/2023							
3/14/2023		0.045 (J)					
10/18/2023				0.11 (J)	0.12 (J)	0.076 (J)	0.15 (J)
10/19/2023	0.12 (J)						
10/20/2023			<0.2				
10/21/2023		0.048 (J)					
3/25/2024	0.16 (J)						
3/26/2024			<0.2				
3/28/2024					0.29 (J)	<0.2	0.36 (J)
3/29/2024		0.07 (J)		0.16 (J)			
10/14/2024				0.15 (J)	0.28 (J)	0.24 (J)	0.34 (J)
10/16/2024	0.15 (J)	0.071 (J)					
10/17/2024			0.14 (J)				
3/31/2025			<0.2				
4/2/2025		<0.2					
4/3/2025	<0.2						
4/4/2025							
4/8/2025				0.18 (J)	0.19 (J)	0.19 (J)	0.17 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-12 (bg)
4/24/2018	6.46	6.31	5.89						
4/25/2018				6.19	6.69	6.31	6.04	6.7	
6/13/2018				6.18				6.64	
6/14/2018	6.5	6.28	5.96		6.66	6.25	6.29		
7/23/2018				6.19	6.7			6.76	
7/24/2018	6.6	6.34	6.03			6.34	6.35		
9/1/2018	6.74	6.33	6.23				6.38	6.9	
9/6/2018				6.13	6.66	6.29			
10/1/2018	6.51	6.36	5.94						
10/2/2018				6.13	6.63	6.28	6.47	6.77	
11/1/2018				6.25	6.75			6.89	
11/2/2018	6.55	6.43	5.98			6.4	6.42		
12/6/2018		6.43		6.25	6.75	6.4	6.42	6.89	
12/7/2018	6.55		5.98						
2/13/2019	6.69	6.48	6.09	6.24	6.7	6.37	6.42	6.81	
3/16/2019									6.44
3/27/2019									6.38
4/3/2019									6.19
4/4/2019				6.17	6.72	6.33	6.35	6.74	
4/5/2019	6.7	6.33	6.03						
4/15/2019									
4/16/2019									6.3
5/2/2019									
5/3/2019									6.33
5/14/2019									6.64
5/28/2019									
5/29/2019									6.6
6/12/2019									6.31
6/19/2019									
6/25/2019									
8/8/2019	6.7		6.03	6.23				6.84	6.12
8/9/2019		6.69			6.74	6.34	6.42		
8/29/2019									6.24
8/30/2019	6.75	6.68	6.1	6.1	6.68	6.31	6.47	7.09	
3/16/2020	6.61	6.71	5.91						
3/17/2020					6.69	6.57	6.32	6.93	6.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	6.58		5.92						
11/9/2020		6.37			6.74		6.37		
11/10/2020						6.37			
11/20/2020				6.23				6.94	6.31
3/8/2021			5.97	7				7.61	
3/9/2021	6.48	6.27			6.74	6.39	6.32		
3/10/2021									
10/11/2021									6.08
10/12/2021			5.89	6.16		6.51	6.55	6.75	
10/14/2021		6.41							
10/15/2021									
10/20/2021									

Prediction Limit

Constituent: pH (SU) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-12 (bg)
10/21/2021	6.54				6.74				
4/4/2022									6
4/5/2022	6.45		5.46					7.17	
4/6/2022		6.37		6.13	6.74	6.38	6.16		
4/7/2022									
10/17/2022			5.87						6.12
10/18/2022	6.61			6.32	6.67	6.43		6.98	
10/19/2022		6.32					6.38		
3/7/2023									
3/8/2023	6.53	6.26	5.88						
3/9/2023					6.5	6.37	6.28		
3/10/2023									
3/13/2023				6.22				6.97	
3/14/2023									6.11
10/18/2023									
10/19/2023	6.72	6.22	5.93						
10/20/2023				6.23	6.61	6.28	6.36		
10/21/2023								7.06	6.22
3/25/2024	6.55		5.86						
3/26/2024		6.33				6.42	6.34		
3/28/2024				6.3	6.78				
3/29/2024								6.83	6.11
10/14/2024									
10/16/2024			5.84	6.47				6.98	6.29
10/17/2024	6.59	6.24			6.67	6.51	6.36		
3/31/2025									
4/2/2025								6.84	6.32
4/3/2025		6.31	5.97	6.32	6.69		6.33		
4/4/2025	6.49					6.35			
4/8/2025									

Prediction Limit

Constituent: pH (SU) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	6.97	6.67					
3/27/2019	6.7	6.59					
4/3/2019	6.45	6.56					
4/4/2019							
4/5/2019			6.12				
4/15/2019		6.68	6.14				
4/16/2019	6.52						
5/2/2019		6.78	6.19				
5/3/2019	6.37						
5/14/2019	6.57	6.7	6.12				
5/28/2019		6.56					
5/29/2019	6.31		6.11				
6/12/2019	6.41	6.69	6.09				
6/19/2019			6.1				
6/25/2019			6.18				
8/8/2019	6.29	6.68					
8/9/2019			6.03				
8/29/2019	6.2						
8/30/2019		6.72	5.92				
3/16/2020		6.51					
3/17/2020	6.2		5.97				
7/21/2020				6.51	6.01	6.08	
7/30/2020							6.48
11/3/2020				6.51			
11/4/2020		6.45			6.01	6.03	6.58
11/5/2020							
11/9/2020	6.21						
11/10/2020							
11/20/2020			6.09				
3/8/2021		6.4		6.41	5.97	5.99	6.48
3/9/2021			6.13				
3/10/2021	6.29						
10/11/2021	6.13						
10/12/2021		6.43					
10/14/2021							
10/15/2021						5.97	6.55
10/20/2021			5.94	6.54	5.89		

Prediction Limit

Constituent: pH (SU) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	5.97	6.34					
4/5/2022							
4/6/2022							
4/7/2022			5.91	6.53	6.07	6.07	6.55
10/17/2022	6.19	6.27					
10/18/2022							
10/19/2022			6.1	6.58	6.08	6.07	6.64
3/7/2023	6.17						
3/8/2023		6.23					
3/9/2023			6.04				
3/10/2023				6.48	6	6	6.5
3/13/2023							
3/14/2023							
10/18/2023				6.48	6.07	6.16	6.51
10/19/2023		6.23					
10/20/2023			6.15				
10/21/2023	6.26						
3/25/2024		6.34					
3/26/2024			6.12				
3/28/2024				6.37		6.06	6.41
3/29/2024	6.11				6.01		
10/14/2024				6.02	6.25	6.05	6.54
10/16/2024	6.98	6.17					
10/17/2024			6.23				
3/31/2025			5.48				
4/2/2025	6.29						
4/3/2025		6.36					
4/4/2025							
4/8/2025				6.63	6.17	6.08	6.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/24/2018	1200	340	<1						
4/25/2018				270	670	65	920	290	
6/13/2018				300				310	
6/14/2018	1200	350	7.2		650	81	980		
7/23/2018				280	610			300	
7/24/2018	1100	310	2.7 (J)			52	950		
9/1/2018	1200	300	1.5 (J)				980	290	
9/6/2018				270	690	53			
10/1/2018	1200	330	<1						
10/2/2018				280	650	34	960	300	
11/1/2018				270	610			290	
11/2/2018	1000	310	1.9 (J)			35	860		
12/6/2018		300		300	660	65	990	290	
12/7/2018	1100		<1						
2/13/2019	1100	320	1.5 (J)	280	600	74	930	230	
3/16/2019									14
3/27/2019									19
4/3/2019									4.6 (J)
4/4/2019				330	640	61	1100	240	
4/5/2019	1200	330	7						
4/15/2019									8.6
4/16/2019									
5/2/2019									6
5/3/2019									
5/14/2019									5.8
5/28/2019									9.4
5/29/2019									
6/12/2019									8.8
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	1100	330	8.4	280	620	83	940	160	13
3/16/2020	1100	330	16						23
3/17/2020				290	680	430	910	110	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									10
11/5/2020	1000		4.4 (J)						
11/9/2020		320			590		1000		
11/10/2020						64			
11/20/2020				270				50	
3/8/2021			5.7	280				24	12
3/9/2021	1100	320			630	100	910		
3/10/2021									
10/11/2021									
10/12/2021			<1	270		13	900	4	<1
10/14/2021		290							
10/15/2021									
10/20/2021									
10/21/2021	1040 (D)				615 (D)				
4/4/2022									21

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/5/2022	1100		11					7.5	
4/6/2022		300		290	610	98	910		
4/7/2022									
10/17/2022			5.6						1.2
10/18/2022	850			280	560	25		<1	
10/19/2022		230					810		
3/7/2023									
3/8/2023	960	210	5.6						5
3/9/2023					570	79	810		
3/10/2023									
3/13/2023				250				2.5	
3/14/2023									
10/18/2023									
10/19/2023	980	190	690						<1
10/20/2023				190	590	93	660		
10/21/2023								2.4 (J)	
3/25/2024	980		6						6.3
3/26/2024		170				100	610		
3/28/2024				170	630				
3/29/2024								<1	
10/14/2024									
10/16/2024			8.8	160				<1	8.8
10/17/2024	1000	190			610	45	600		
3/31/2025									
4/2/2025								<1	
4/3/2025		180	3.8 (J)	190	570		590		<1
4/4/2025	960					71			
4/8/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.88 (J)	3.6					
3/27/2019	1.3 (D)	0.81 (JD)					
4/3/2019	1.9 (D)	1.1 (D)					
4/4/2019							
4/5/2019			800 (D)				
4/15/2019			700				
4/16/2019	2.5	0.68 (J)					
5/2/2019			810				
5/3/2019	1.3	1.1					
5/14/2019	2.2	1.3	810				
5/28/2019							
5/29/2019	1.2	2.1	830				
6/12/2019	1.1	1.9	830				
6/19/2019			810				
6/25/2019			800				
8/29/2019	1.1	2.3					
8/30/2019			800				
3/16/2020							
3/17/2020	3.2	3.7	590				
7/21/2020				52.9	802	713	
7/30/2020							33.4
11/3/2020				550			
11/4/2020					1700 (o)	670	440
11/5/2020							
11/9/2020		0.51 (J)					
11/10/2020							
11/20/2020	0.79 (J)		790				
3/8/2021				97	720	740	72
3/9/2021			830				
3/10/2021	1.1	<1					
10/11/2021	<1	<1					
10/12/2021							
10/14/2021							
10/15/2021						730	55
10/20/2021			835 (D)	91.5 (D)	840		
10/21/2021							
4/4/2022	1.3	0.91 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-15 (bg)	APMW-13 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			820	160	810	810	140
10/17/2022	<1	<1					
10/18/2022							
10/19/2022			800	76	810	830	57
3/7/2023		0.82 (J)					
3/8/2023							
3/9/2023			810				
3/10/2023				88	850	870	76
3/13/2023							
3/14/2023	<1						
10/18/2023				80	750	690	88
10/19/2023							
10/20/2023			760				
10/21/2023	1	<1					
3/25/2024							
3/26/2024			770				
3/28/2024				97		770	95
3/29/2024	<1	<1			890		
10/14/2024				140	780	1100	88
10/16/2024	<1	<1					
10/17/2024			820				
3/31/2025			820				
4/2/2025	<1	<1					
4/3/2025							
4/4/2025							
4/8/2025				100	830	1200	99

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/24/2018	18000	7700	4800						
4/25/2018				5800	6400	7500	16000	2500	
6/13/2018				5800				2900	
6/14/2018	13000	7200	5700		6000	7000	14000		
7/23/2018				5800	7200			3100	
7/24/2018	18000	7000	6000			7200	15000		
9/1/2018	20000	7800	6300				16000	2700	
9/6/2018				6300	7800	7000			
10/1/2018	20000	8400	6500						
10/2/2018				6500	8200	7400	17000	2900	
11/1/2018				5000	7300			2700	
11/2/2018	19000	7600	3800			6900	15000		
12/6/2018		7400		6000	8300	6900	14000	2600	
12/7/2018	13000		5300						
2/13/2019	16000	7700	6200	6700	8900	8200	16000	2800	
3/16/2019									3300
3/27/2019									2900
4/3/2019									3600
4/4/2019				4500	7700	8100	18000	2500	
4/5/2019	18000	7000	5000						
4/15/2019									3300
4/16/2019									
5/2/2019									3300
5/3/2019									
5/14/2019									3600
5/28/2019									3500
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	18000	5800	4400	4900	6300	6900	16000	2200	3500
3/16/2020	16000	6100	4400						4500
3/17/2020				5400	6400	6900	15000	2700	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									5000
11/5/2020	19000		4100						
11/9/2020		5400			7100		14000		
11/10/2020						7100			
11/20/2020				6000				2100	
3/8/2021			4300	6300				2100	5200
3/9/2021	22000	5500			8100	7800	20000		
3/10/2021									
10/11/2021									
10/12/2021			4400	7000		6900	15000	2300	4700
10/14/2021		5700							
10/15/2021									
10/20/2021									
10/21/2021	18000				6600				
4/4/2022									4700

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-3	APMW-4	APMW-2	APMW-9	APMW-8	APMW-7	APMW-5	APMW-10	APMW-1R
4/5/2022	16000		4400					1700	
4/6/2022		5200		5600	8900	7700	15000		
4/7/2022									
10/17/2022			6600						4900
10/18/2022	14000			5900	7000	7900		1900	
10/19/2022		5900					13000		
3/7/2023									
3/8/2023	17000	4600	4000						4400
3/9/2023					7400	7900	15000		
3/10/2023									
3/13/2023				6000				1500	
3/14/2023									
10/18/2023									
10/19/2023	17000	3900	3900						4200
10/20/2023				5100	7100	8000	13000		
10/21/2023								1600	
3/25/2024	16000		4000						4600
3/26/2024		3900				7600	12000		
3/28/2024				5100	7600				
3/29/2024								1400	
10/14/2024									
10/16/2024			4100	5200				1400	4500
10/17/2024	16000	3900			7100	7000	10000		
3/31/2025									
4/2/2025								1200	
4/3/2025		3700	4000	5300	7300		12000		4200
4/4/2025	15000					7500			
4/8/2025									

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-15 (bg)	APMW-14 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	150	120					
3/27/2019	110 (D)	63 (D)					
4/3/2019	150 (D)	100 (D)					
4/4/2019							
4/5/2019			7800 (D)				
4/15/2019			6600				
4/16/2019	150	110					
5/2/2019			7400				
5/3/2019	130	91					
5/14/2019	150	120	8300				
5/28/2019							
5/29/2019	180	140	8600				
6/12/2019	130	100	6800				
6/19/2019			7100				
6/25/2019			8500				
8/29/2019	110	73					
8/30/2019			6600				
3/16/2020							
3/17/2020	120	95	7200				
7/21/2020				5400	6350	3760	
7/30/2020							5020
11/3/2020				9200			
11/4/2020					6500	5400	8500
11/5/2020							
11/9/2020		68					
11/10/2020							
11/20/2020	160		7400				
3/8/2021				6200	6800	3600	5100
3/9/2021			8800				
3/10/2021	140	89					
10/11/2021	120	80					
10/12/2021							
10/14/2021							
10/15/2021					5700		5700
10/20/2021			7600	5200		3400	
10/21/2021							
4/4/2022	120	78					

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/13/2025 8:35 PM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-11 (bg)	APMW-6R	APMW-15 (bg)	APMW-14 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			7600	5100	6000	3400	5100
10/17/2022	120	86					
10/18/2022							
10/19/2022			7000	5700	5900	3600	5700
3/7/2023		86					
3/8/2023							
3/9/2023			7500				
3/10/2023				5000	5600	3600	4700
3/13/2023							
3/14/2023	120						
10/18/2023				5000	6200	3500	5300
10/19/2023							
10/20/2023			7000				
10/21/2023	130	73					
3/25/2024							
3/26/2024			7300				
3/28/2024				4900	6100		5100
3/29/2024	120	87				3500	
10/14/2024				4700	5200	3200	4900
10/16/2024	110	74					
10/17/2024			6800				
3/31/2025			7300				
4/2/2025	110	67					
4/3/2025							
4/4/2025							
4/8/2025				4900	5700	3400	4500

FIGURE F.

Appendix III Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:44 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	**APMW-6R**	**0.4588**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**12.5**	**98**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-5**	**-10.31**	**-99**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-342.8**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-255.7**	**-112**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

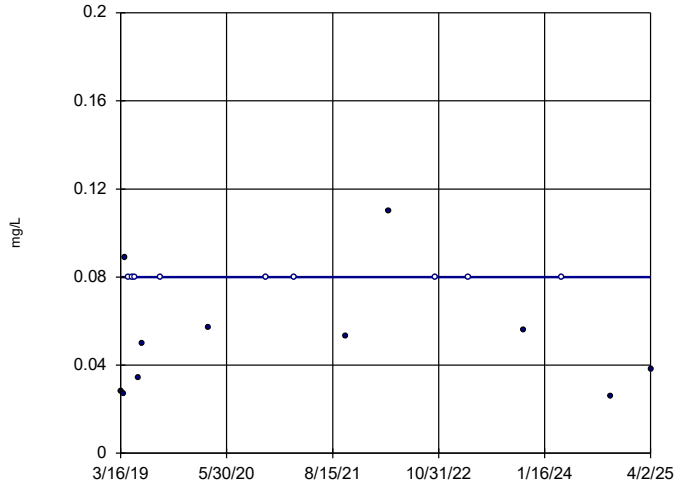
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 12:44 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	APMW-11 (bg)	0	-2	-81	No	20	45	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.0008779	34	81	No	20	30	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.003826	-4	-34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.01508	11	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.01935	15	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.0277	12	34	No	11	0	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.2017	44	81	No	20	0	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.0555	-33	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4588**	**109**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	-0.2703	-54	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	APMW-9	0.09828	44	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.6834	-70	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	0	-51	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-0.5603	-8	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	4.875	21	34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-15 (bg)	-4.011	-32	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	APMW-16 (bg)	-6.607	-24	-34	No	11	0	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**12.5**	**98**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	0	9	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-6.945	-68	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	**APMW-5**	**-10.31**	**-99**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-6R	-14.68	-78	-81	No	20	0	n/a	0.01	NP
Calcium (mg/L)	APMW-8	0	-21	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-4.095	-71	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.04955	-26	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.1836	-69	-81	No	20	0	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-64.5	-28	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-29.44	-13	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-41.74	-23	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-98.92	-15	-34	No	11	0	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-342.8**	**-146**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-255.7**	**-112**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.06934**	**-104**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-12 (bg)	-0.04	-65	-81	No	20	0	n/a	0.01	NP
pH (SU)	APMW-13 (bg)	0.03504	23	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.005069	9	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01138	-7	-34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00766	5	34	No	11	0	n/a	0.01	NP
pH (SU)	APMW-6R	-0.0187	-43	-87	No	21	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.775	-76	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-4.078	-70	-81	No	20	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-79.26	-28	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-200.3	-24	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**APMW-15 (bg)**	**-175.2**	**-41**	**-34**	**Yes**	**11**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-199.5	-21	-34	No	11	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-327	-48	-87	No	21	0	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-483.1	-86	-87	No	21	0	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = 0
units per year.

Mann-Kendall
statistic = -2
critical = -81

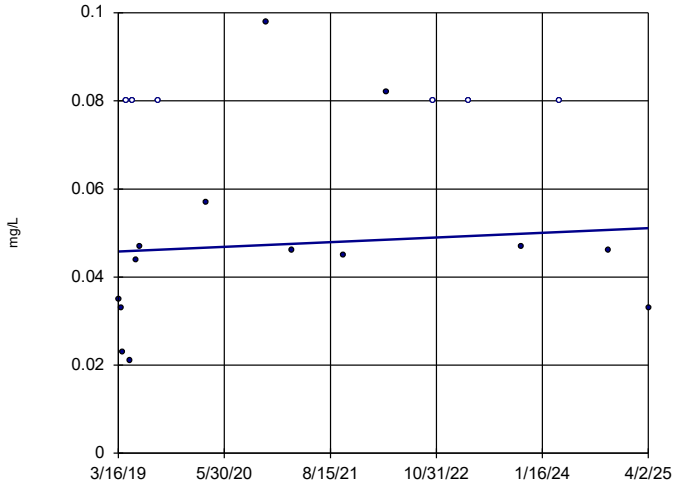
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = 0.0008779
units per year.

Mann-Kendall
statistic = 34
critical = 81

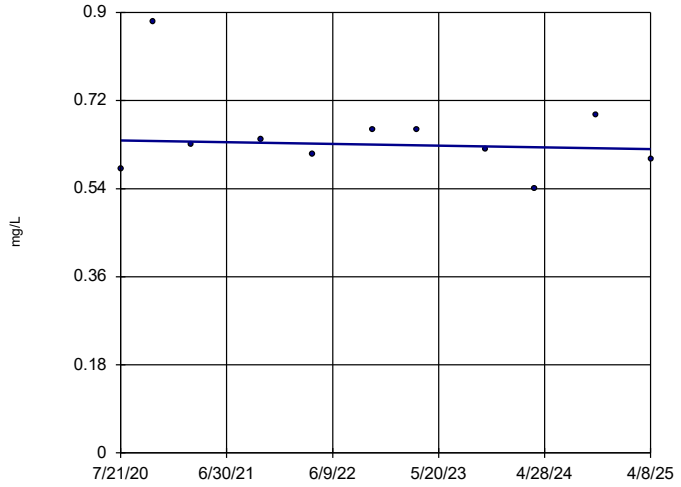
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.003826
units per year.

Mann-Kendall
statistic = -4
critical = -34

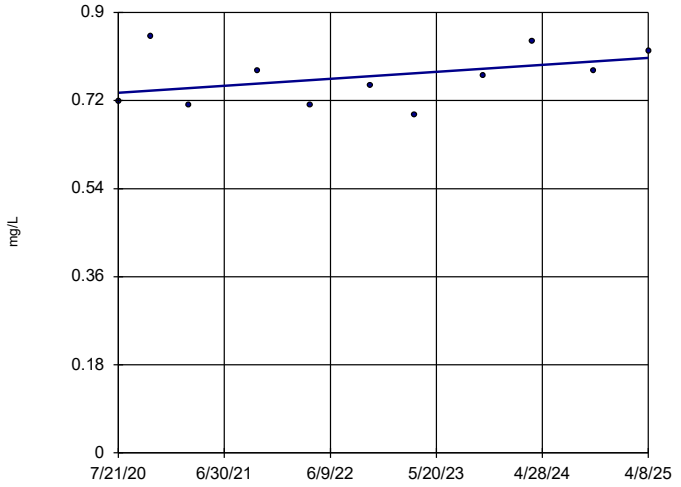
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.01508
units per year.

Mann-Kendall
statistic = 11
critical = 34

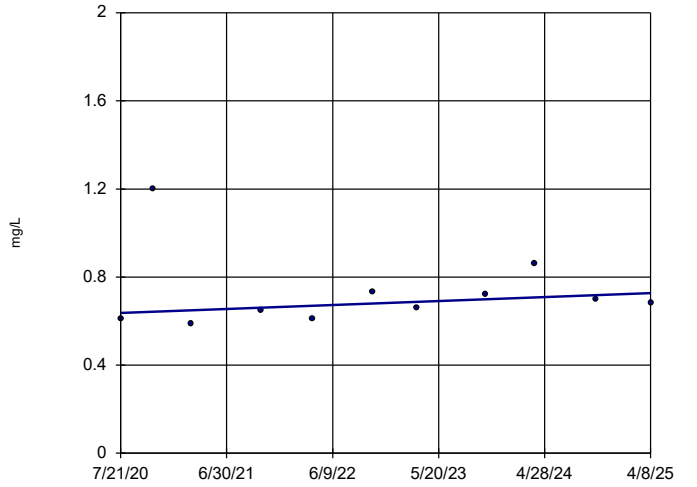
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.01935 units per year.

Mann-Kendall statistic = 15 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

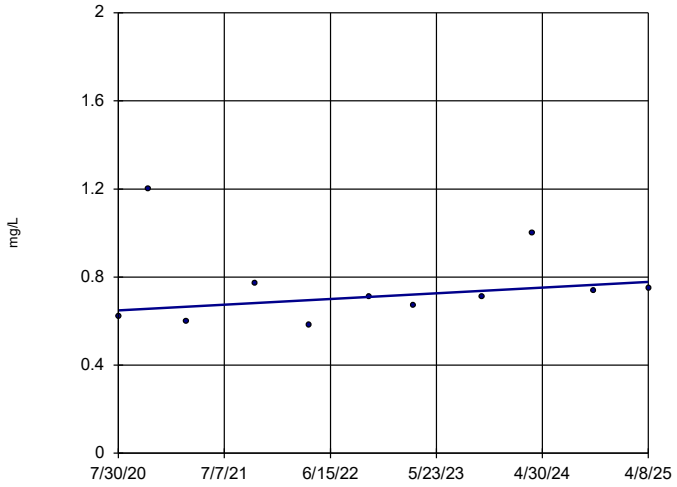
Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.0277 units per year.

Mann-Kendall statistic = 12 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

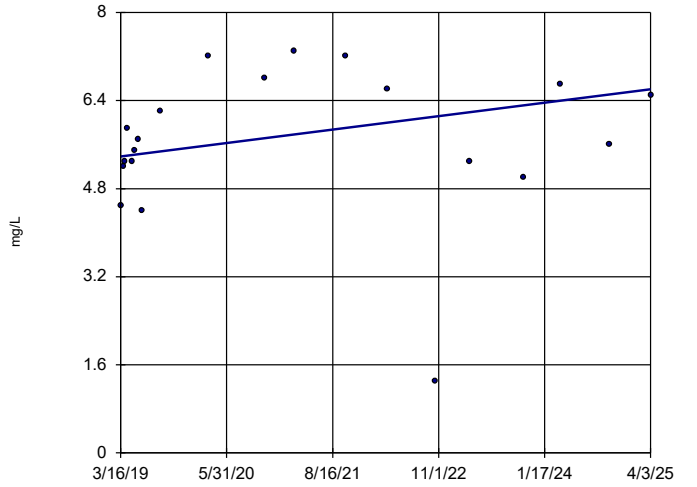
Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 20

Slope = 0.2017 units per year.

Mann-Kendall statistic = 44 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

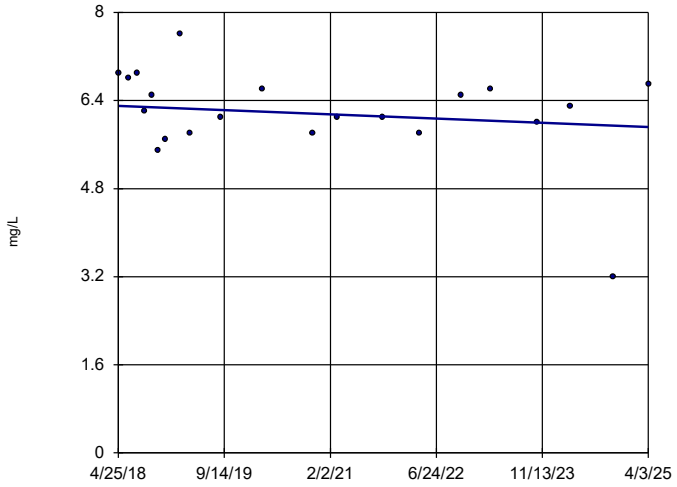
Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 21

Slope = -0.0555 units per year.

Mann-Kendall statistic = -33 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

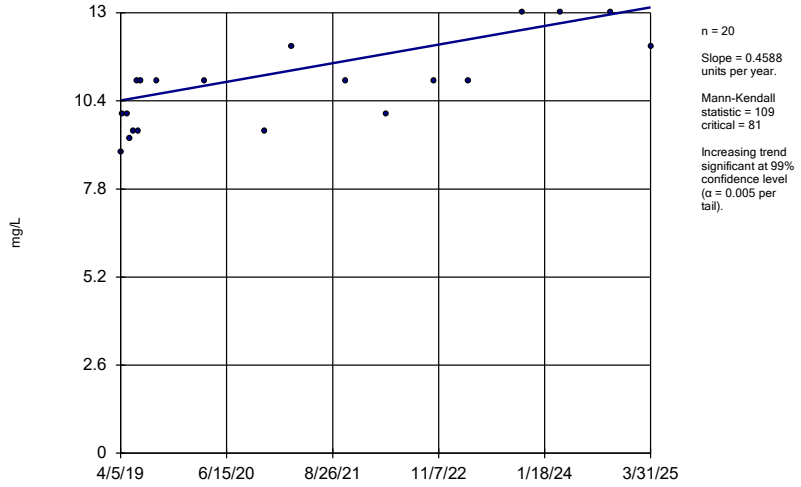
Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 20

Slope = 0.4588 units per year.

Mann-Kendall statistic = 109
critical = 81

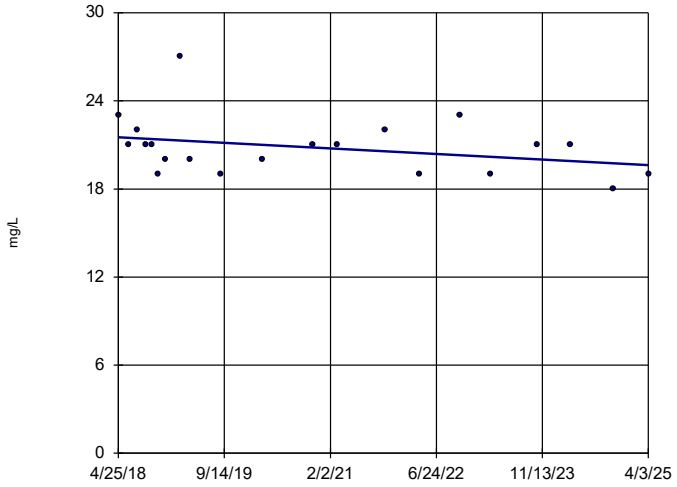
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 21

Slope = -0.2703 units per year.

Mann-Kendall statistic = -54
critical = -87

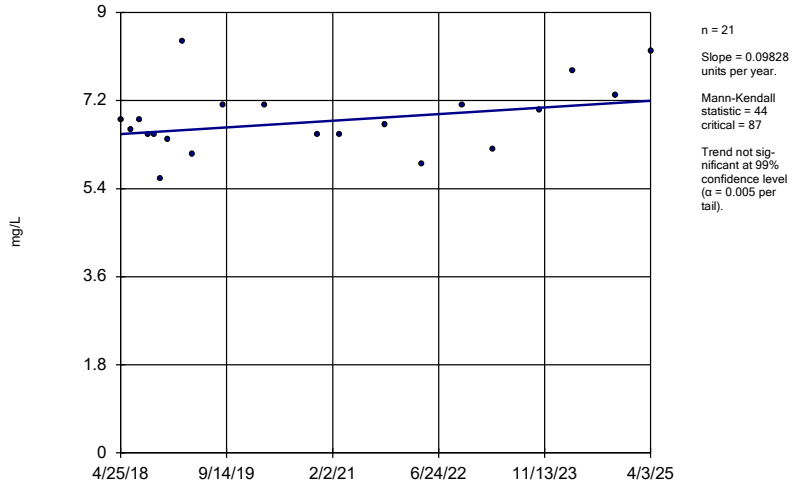
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-9



n = 21

Slope = 0.09828 units per year.

Mann-Kendall statistic = 44
critical = 87

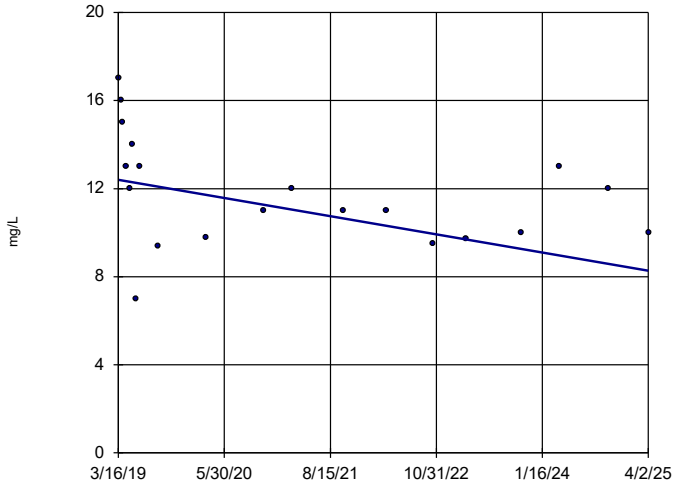
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.6834 units per year.

Mann-Kendall statistic = -70
critical = -81

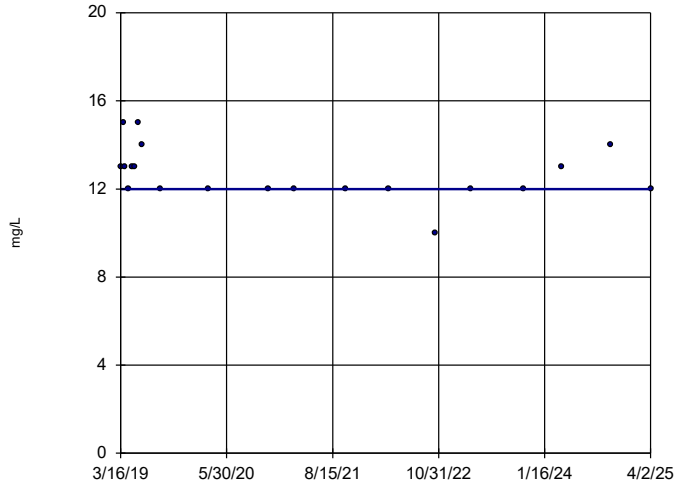
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -51 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

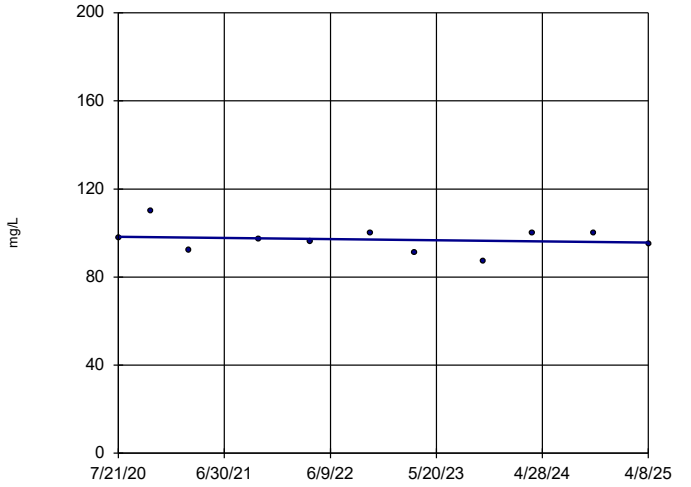
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.5603 units per year.

Mann-Kendall statistic = -8 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

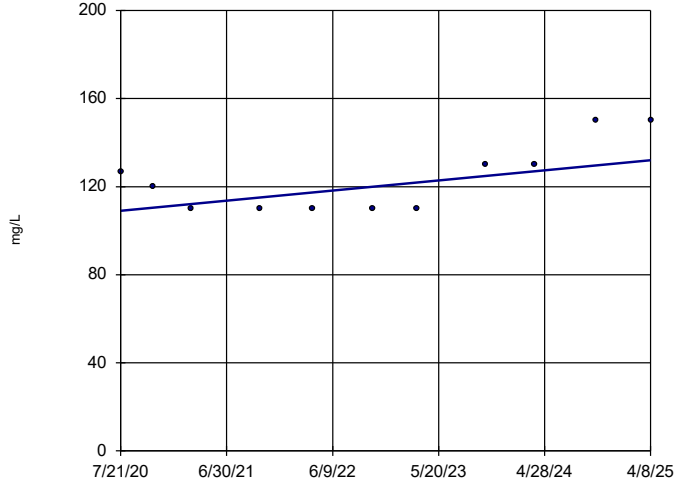
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 4.875 units per year.

Mann-Kendall statistic = 21 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

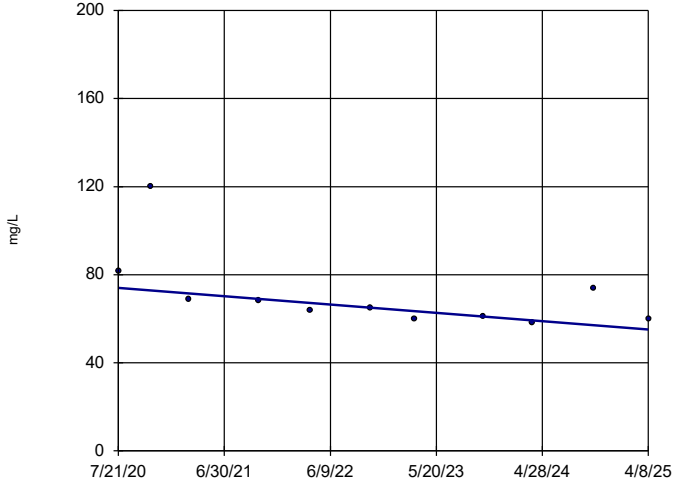
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Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -4.011 units per year.

Mann-Kendall statistic = -32 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

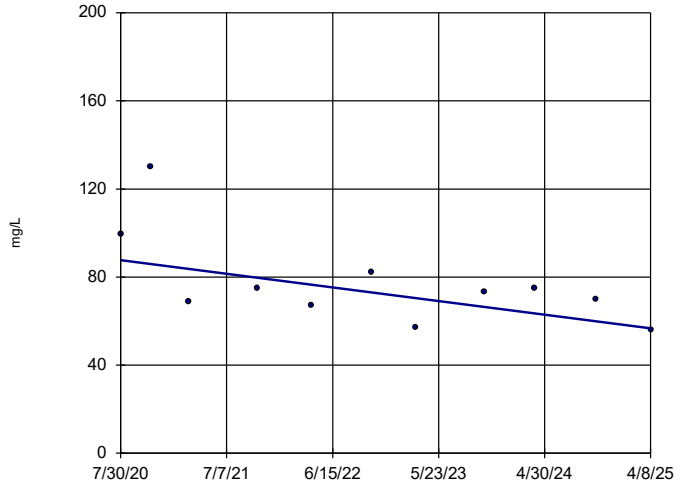
Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -6.607 units per year.

Mann-Kendall statistic = -24
critical = -34

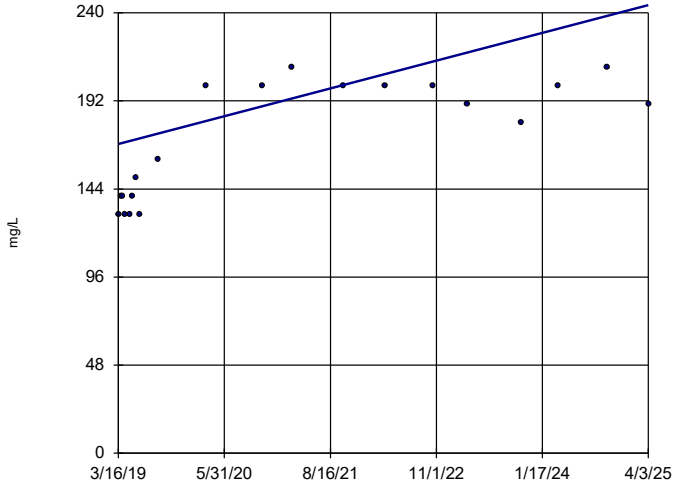
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 20

Slope = 12.5 units per year.

Mann-Kendall statistic = 98
critical = 81

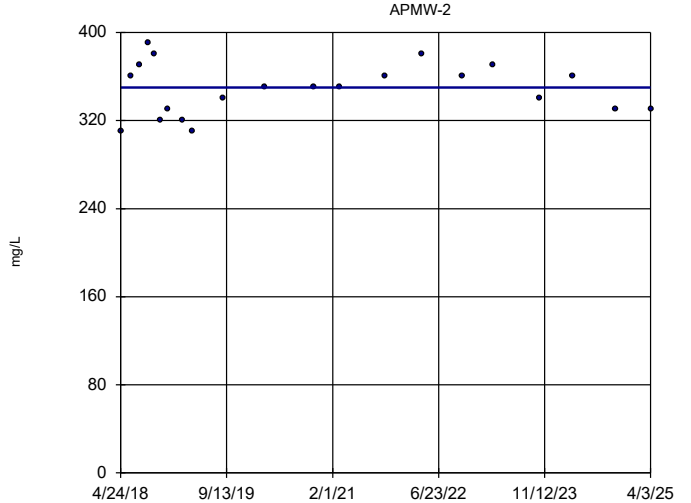
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 87

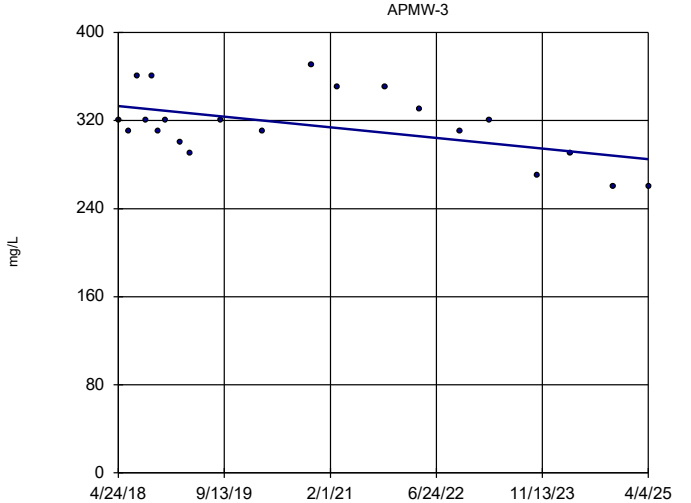
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 21

Slope = -6.945 units per year.

Mann-Kendall statistic = -68
critical = -87

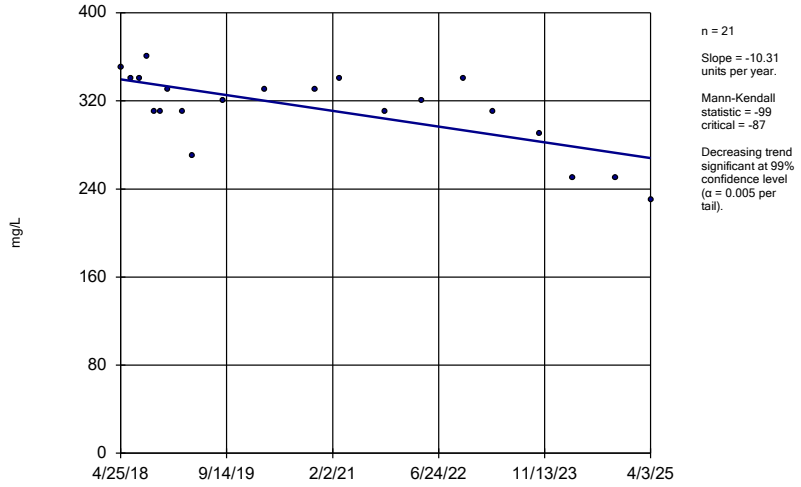
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 21

Slope = -10.31 units per year.

Mann-Kendall statistic = -99 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

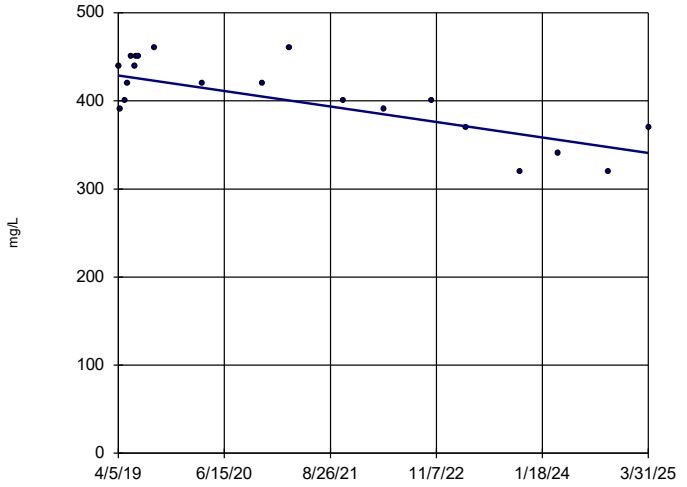
Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 20

Slope = -14.68 units per year.

Mann-Kendall statistic = -78 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

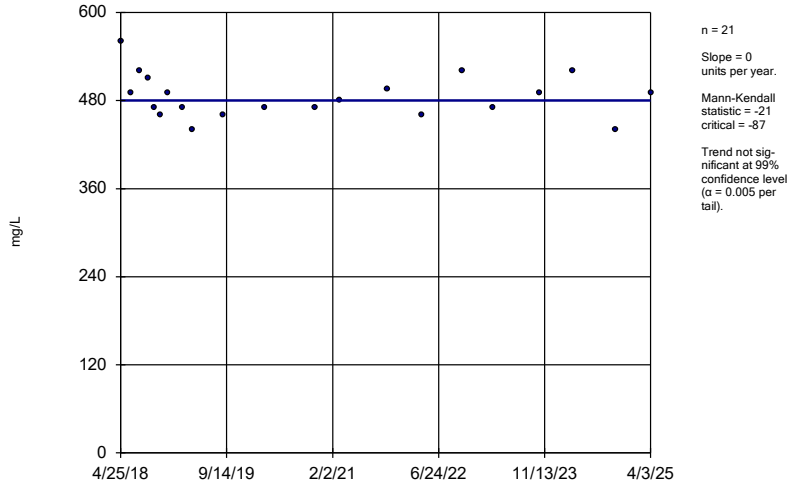
Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -21 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

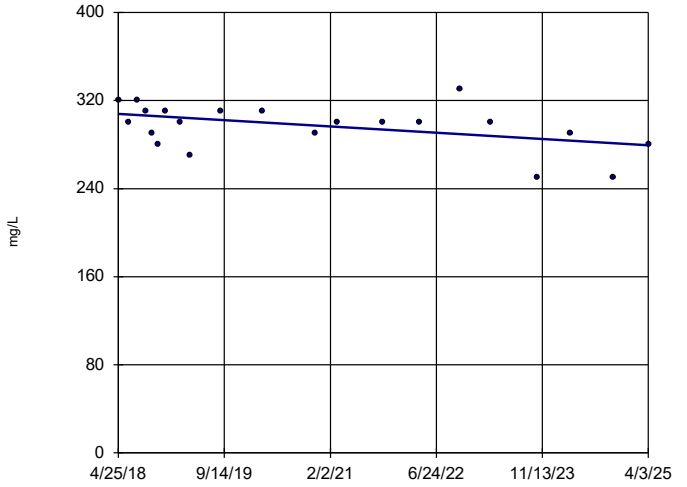
Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-9



n = 21

Slope = -4.095 units per year.

Mann-Kendall statistic = -71 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

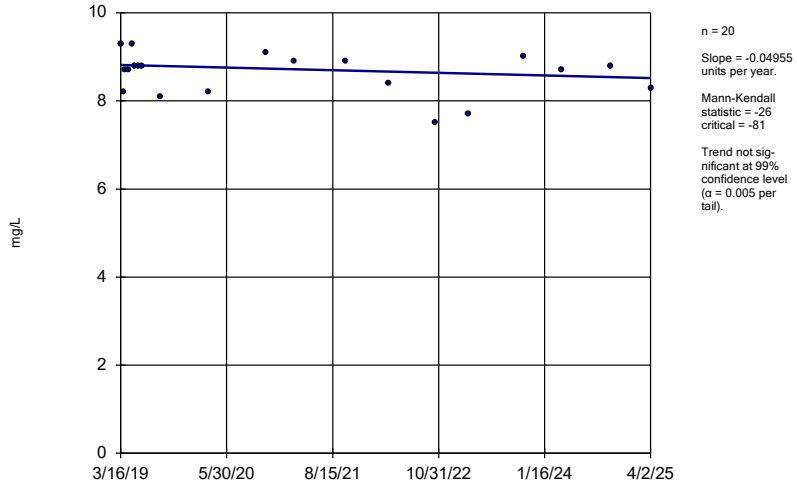
Constituent: Calcium Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -0.04955 units per year.

Mann-Kendall statistic = -26 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

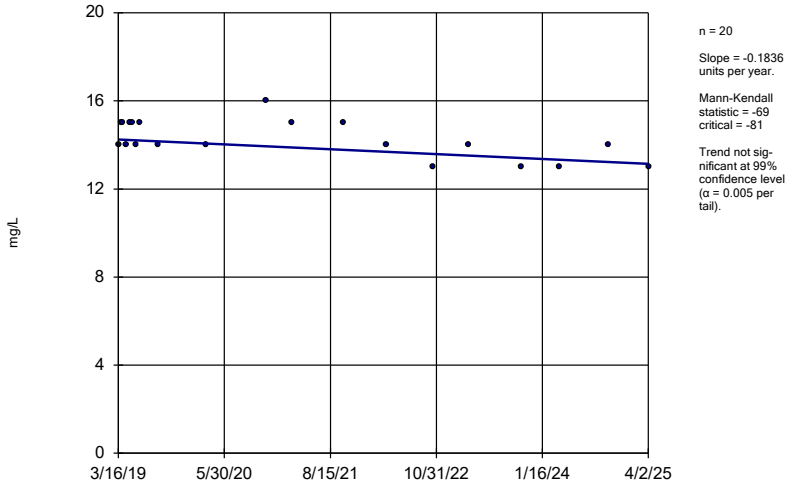
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.1836 units per year.

Mann-Kendall statistic = -69 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

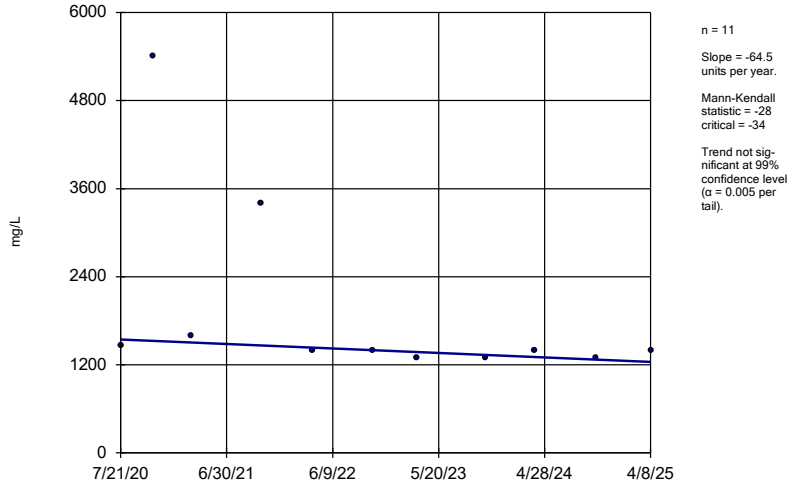
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -64.5 units per year.

Mann-Kendall statistic = -28 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

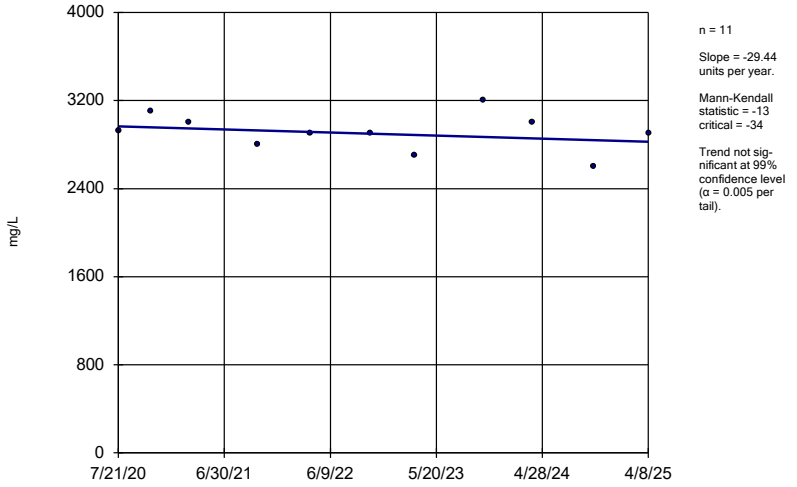
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -29.44 units per year.

Mann-Kendall statistic = -13 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

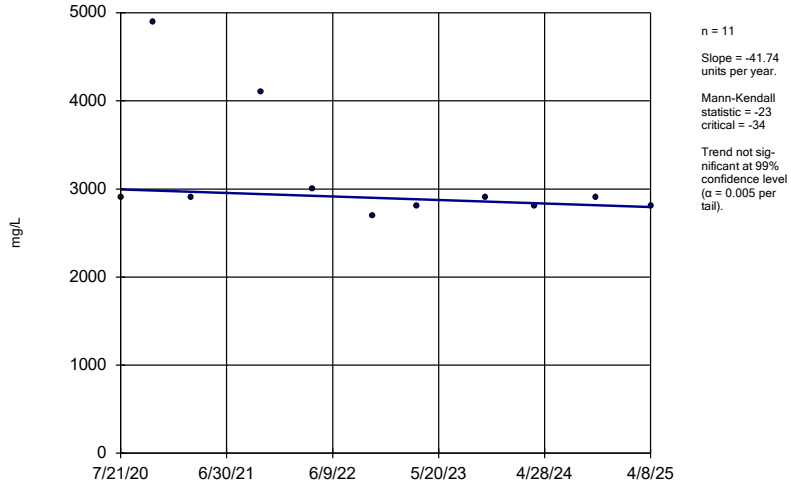
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -41.74 units per year.

Mann-Kendall statistic = -23 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

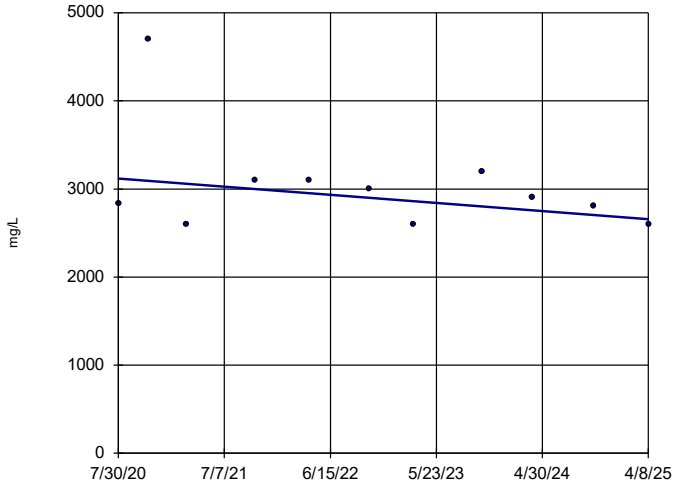
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -98.92 units per year.

Mann-Kendall statistic = -15 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

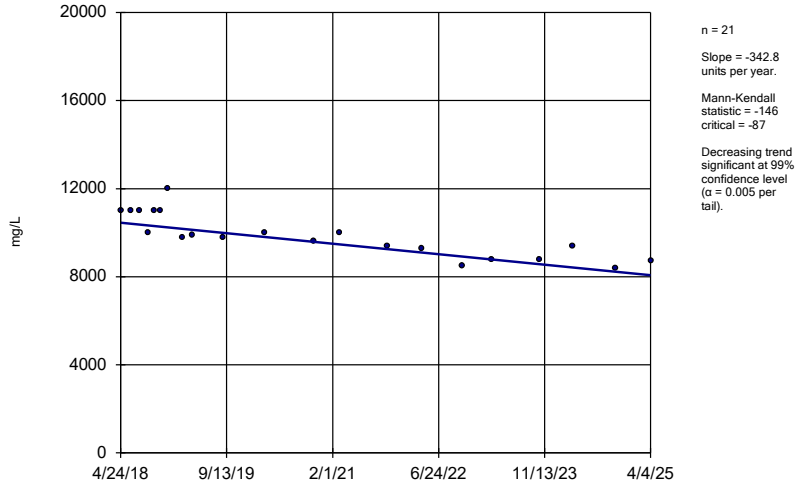
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 21

Slope = -342.8 units per year.

Mann-Kendall statistic = -146 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

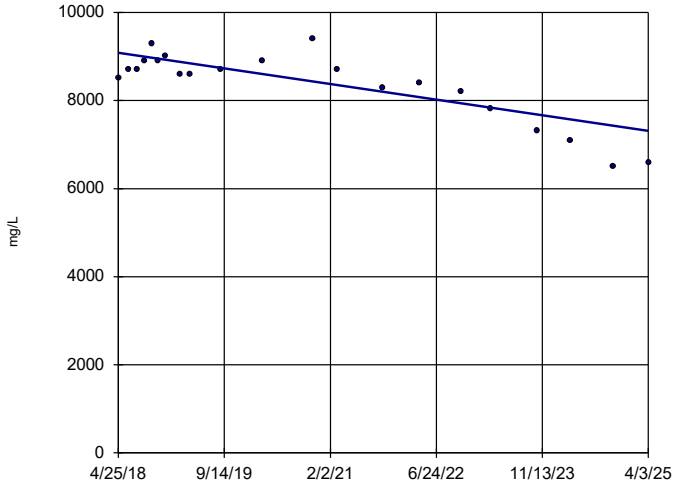
Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 21

Slope = -255.7 units per year.

Mann-Kendall statistic = -112 critical = -87

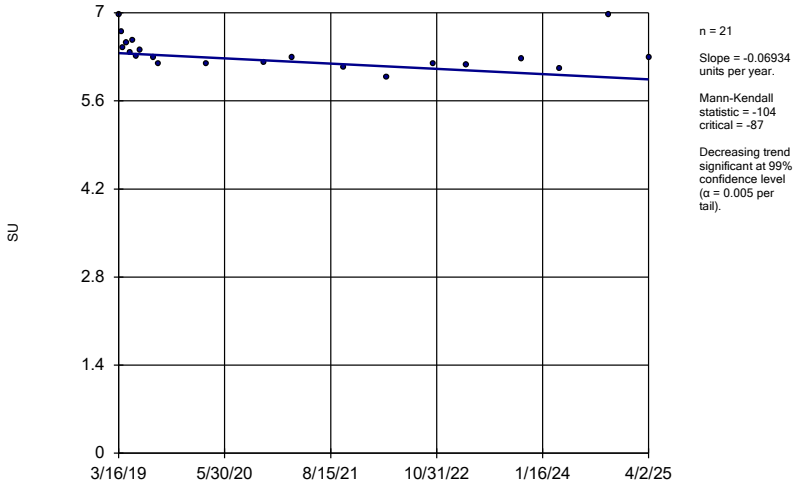
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = -0.06934 units per year.

Mann-Kendall statistic = -104 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

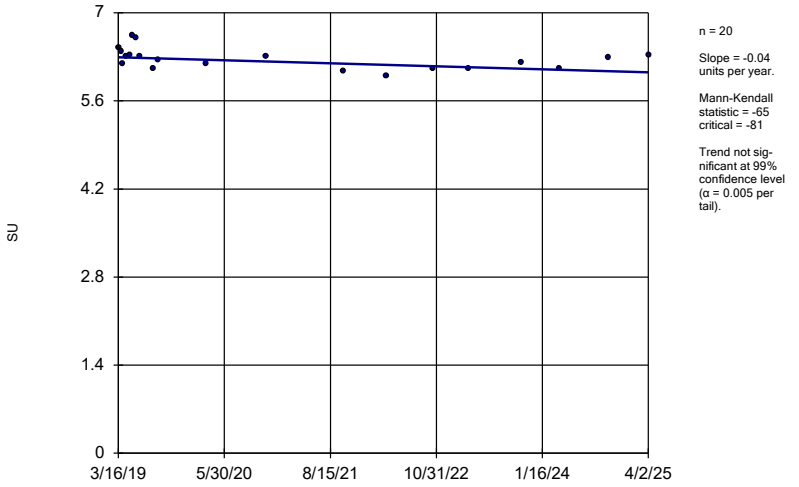
Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -0.04 units per year.

Mann-Kendall statistic = -65 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

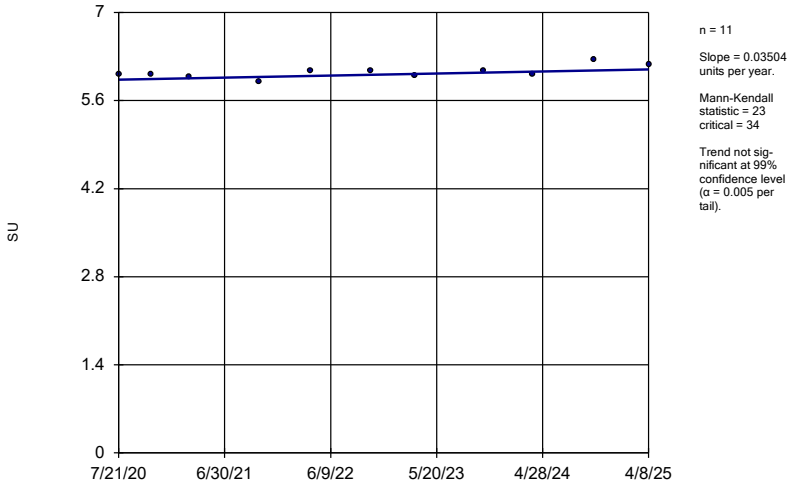
Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.03504 units per year.

Mann-Kendall statistic = 23 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

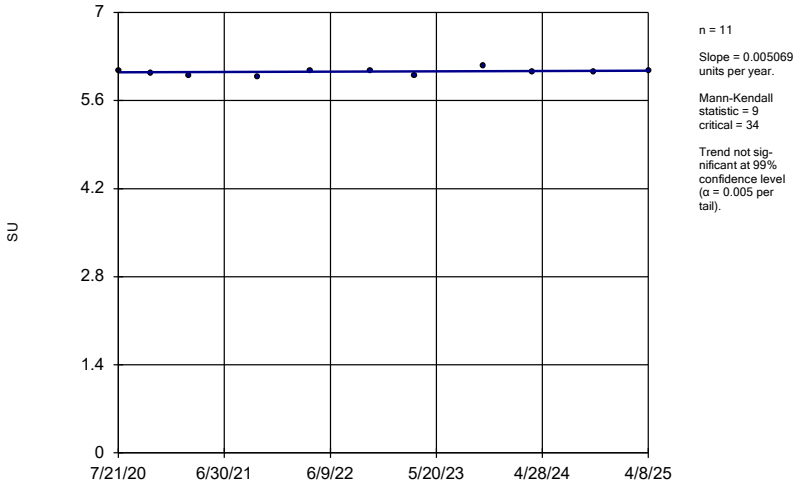
Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.005069 units per year.

Mann-Kendall statistic = 9 critical = 34

Trend not significant at 99% confidence level (α = 0.005 per tail).

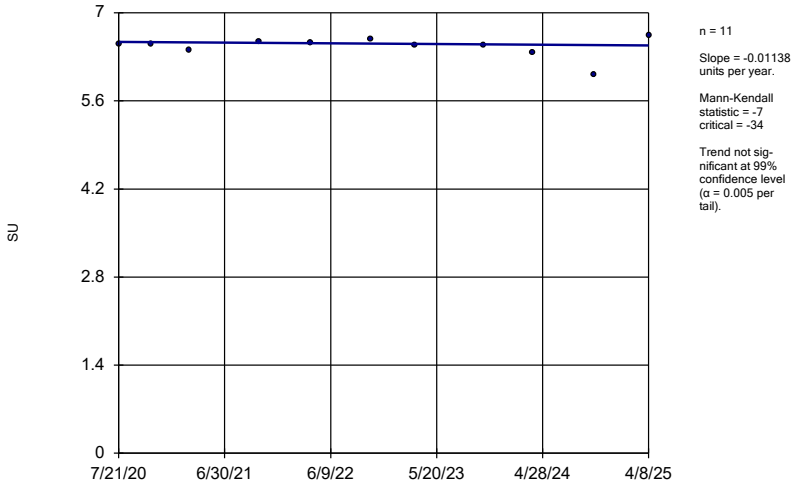
Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.01138 units per year.

Mann-Kendall statistic = -7
critical = -34

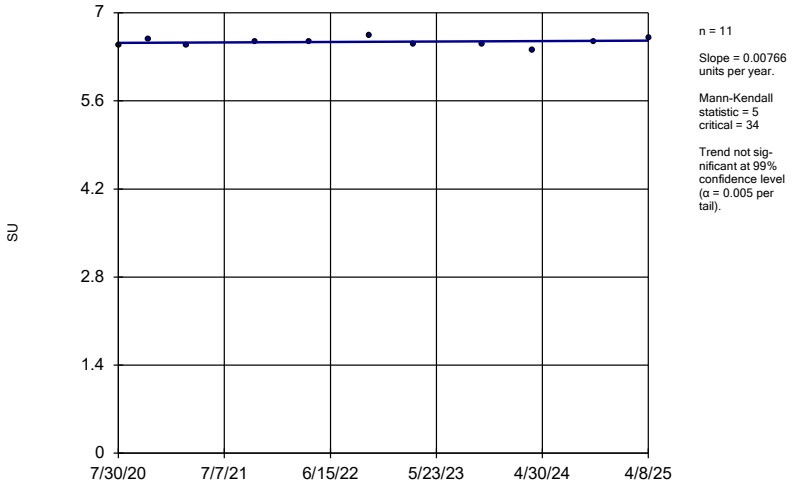
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.00766 units per year.

Mann-Kendall statistic = 5
critical = 34

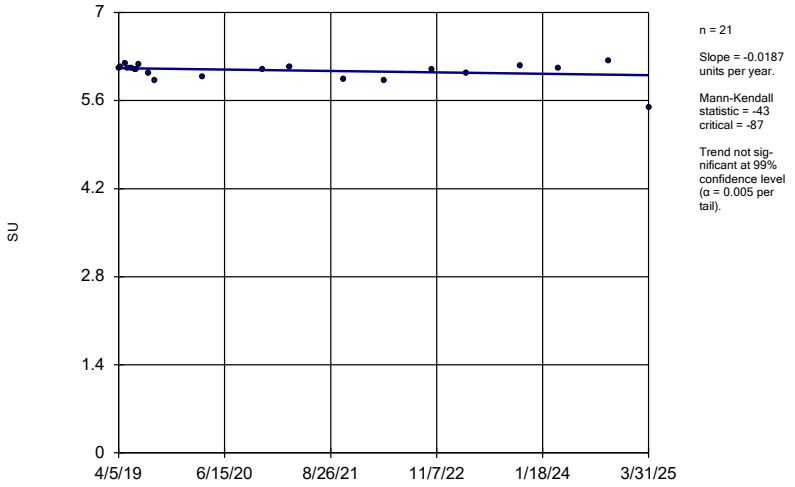
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 21

Slope = -0.0187 units per year.

Mann-Kendall statistic = -43
critical = -87

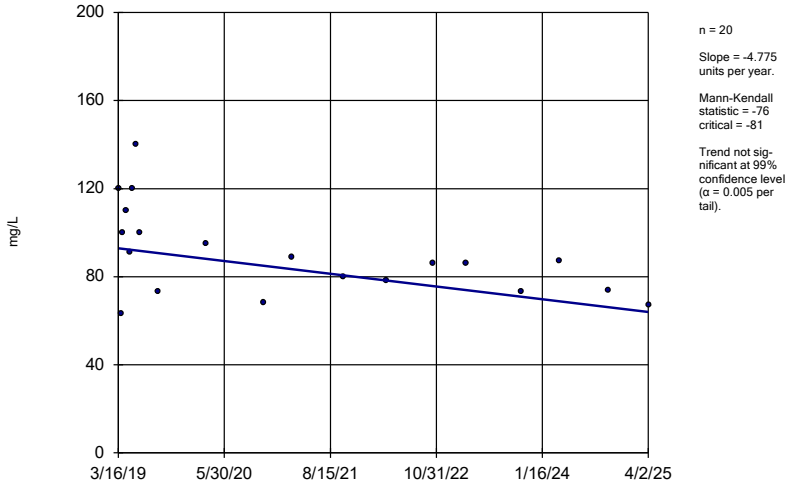
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 20

Slope = -4.775 units per year.

Mann-Kendall statistic = -76
critical = -81

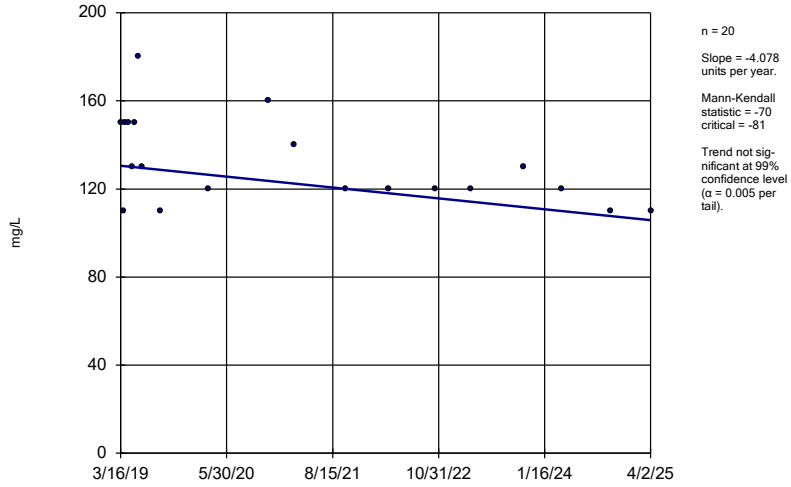
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-12 (bg)



n = 20

Slope = -4.078 units per year.

Mann-Kendall statistic = -70 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

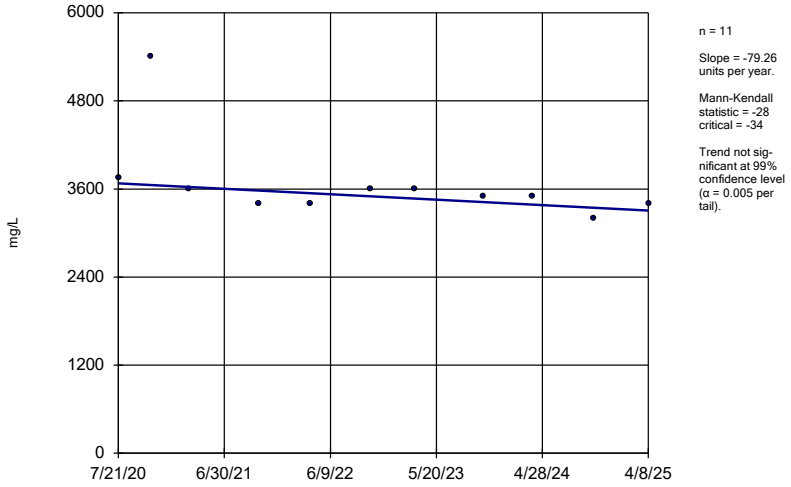
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -79.26 units per year.

Mann-Kendall statistic = -28 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

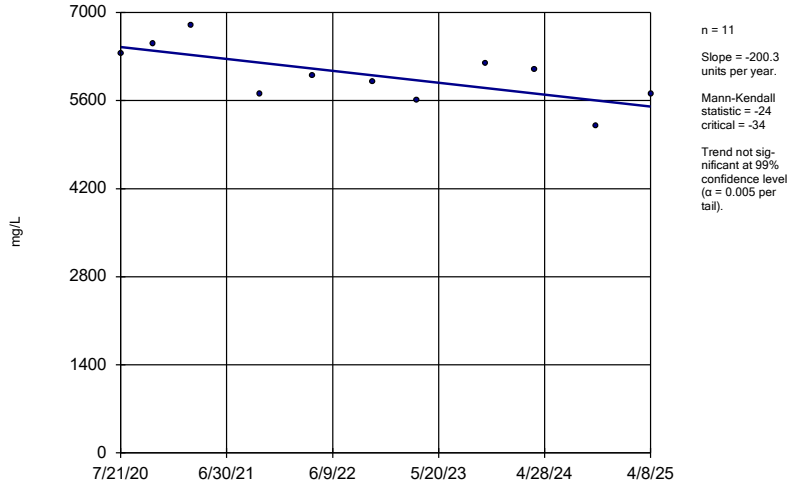
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -200.3 units per year.

Mann-Kendall statistic = -24 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

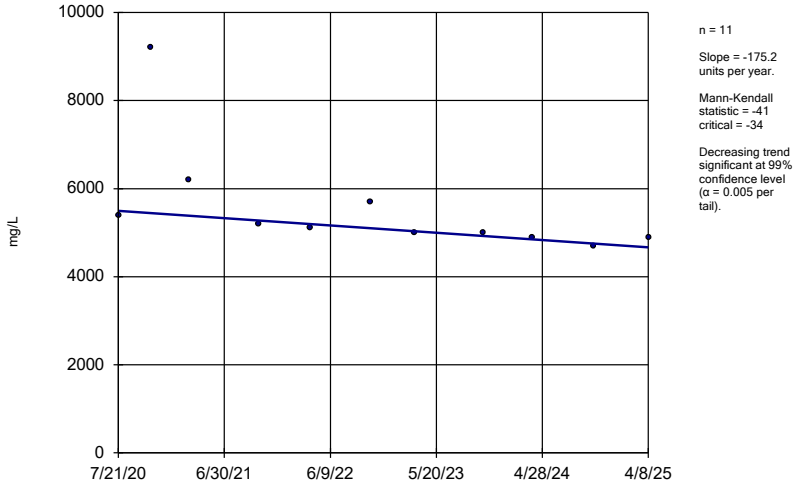
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -175.2 units per year.

Mann-Kendall statistic = -41 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

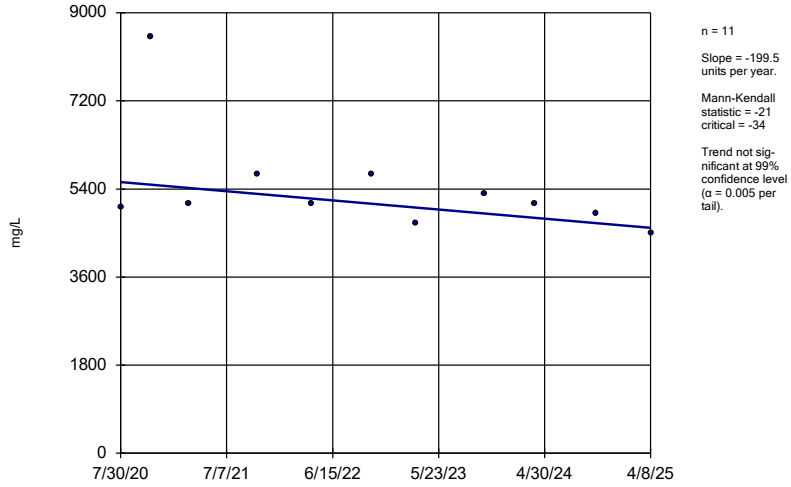
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -199.5 units per year.

Mann-Kendall statistic = -21 critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

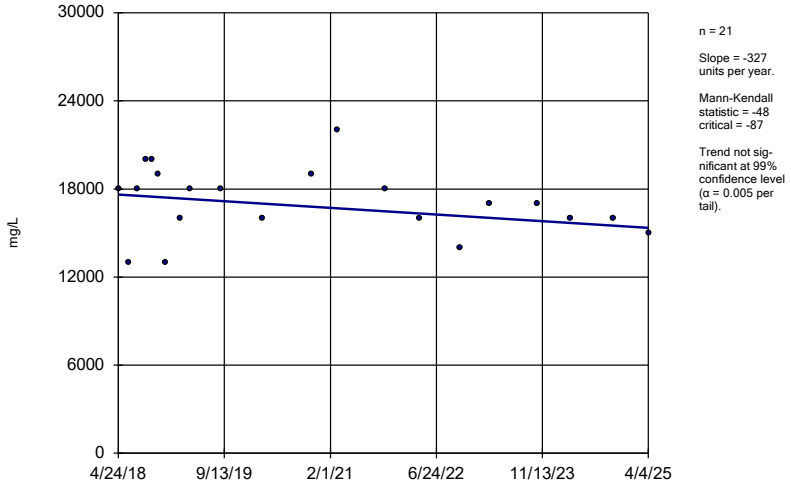
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 21

Slope = -327 units per year.

Mann-Kendall statistic = -48 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

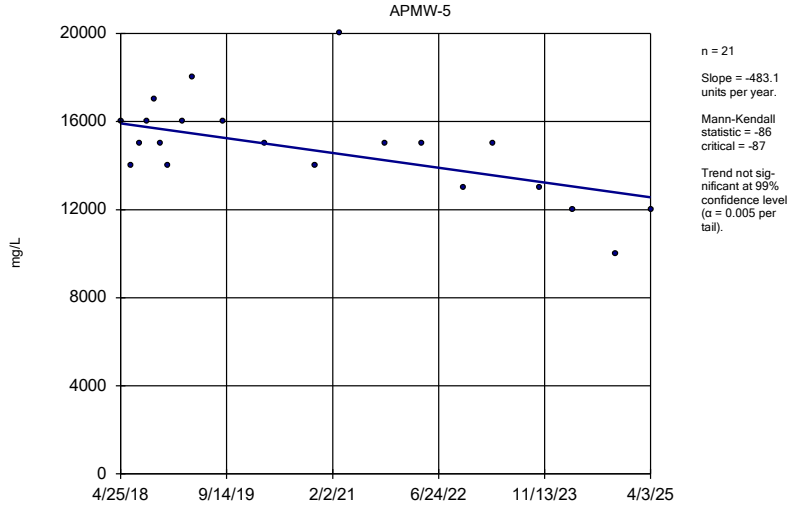
Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5



n = 21

Slope = -483.1 units per year.

Mann-Kendall statistic = -86 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/16/2025 12:42 PM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE G.

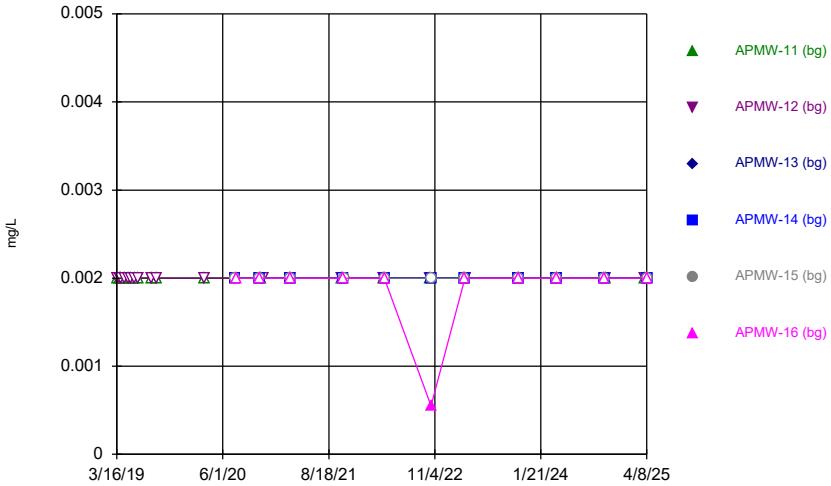
Upper Tolerance Limits - Summary Table

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/13/2025, 8:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	86	45.35	n/a	n/a	0.01214	NP Inter(normality)
Barium (mg/L)	n/a	0.25	n/a	n/a	n/a	n/a	86	0	n/a	n/a	0.01214	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	95.35	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a	82	80.49	n/a	n/a	0.01491	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	86	89.53	n/a	n/a	0.01214	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	5.849	n/a	n/a	n/a	n/a	86	2.326	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.54	n/a	n/a	n/a	n/a	86	20.93	n/a	n/a	0.01214	NP Inter(normality)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	n/a	0.0249	n/a	n/a	n/a	n/a	86	5.814	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	82	97.56	n/a	n/a	0.01491	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	86	97.67	n/a	n/a	0.01214	NP Inter(NDs)

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

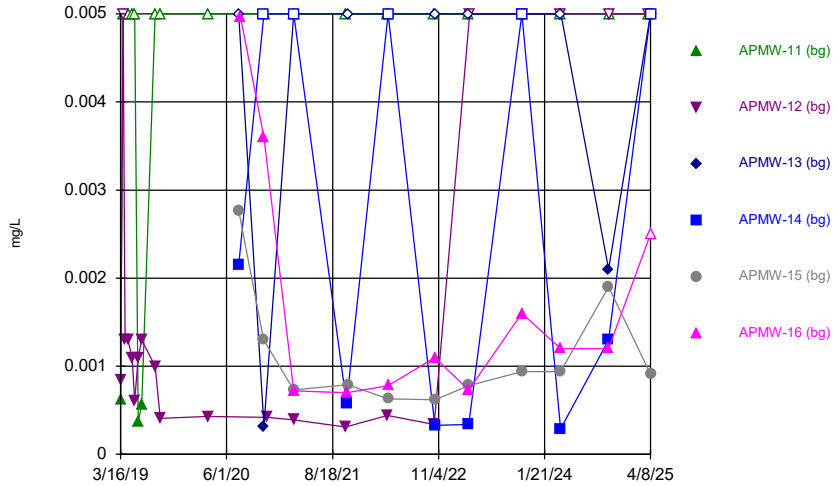
Time Series



Constituent: Antimony Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

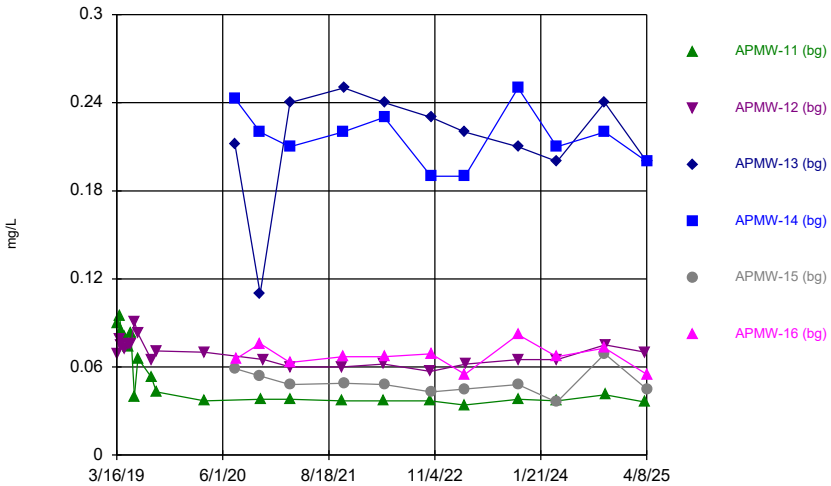
Time Series



Constituent: Arsenic Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

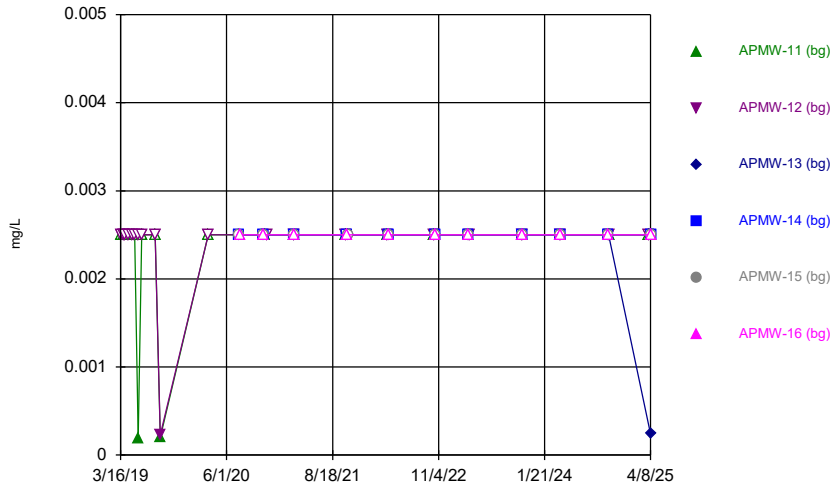
Time Series



Constituent: Barium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

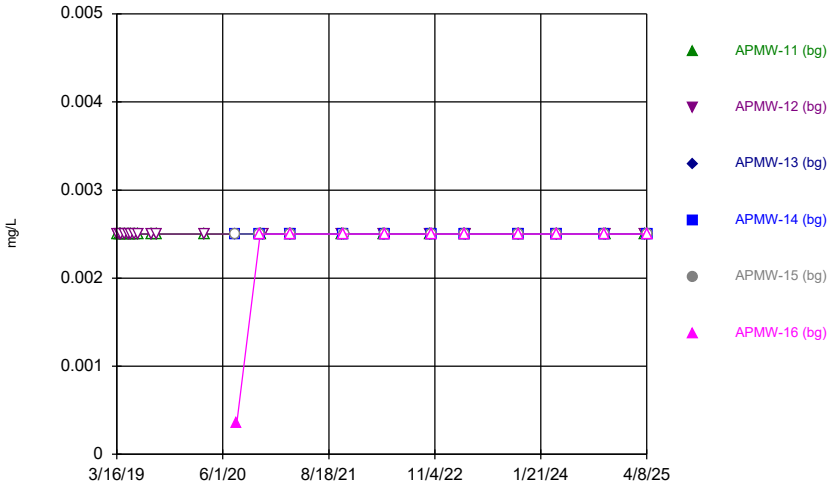
Time Series



Constituent: Beryllium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

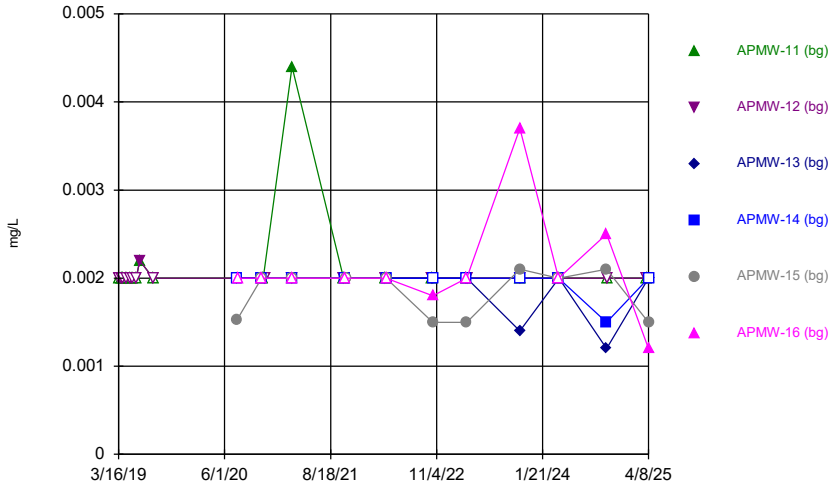
Time Series



Constituent: Cadmium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

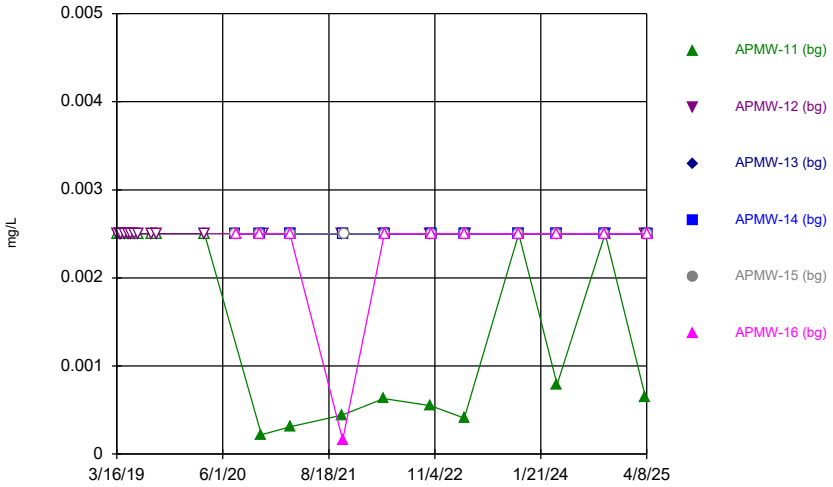
Time Series



Constituent: Chromium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

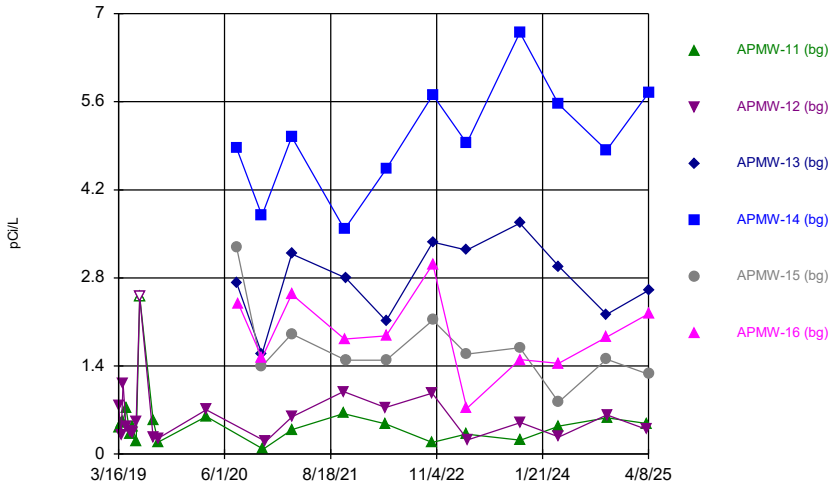
Time Series



Constituent: Cobalt Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

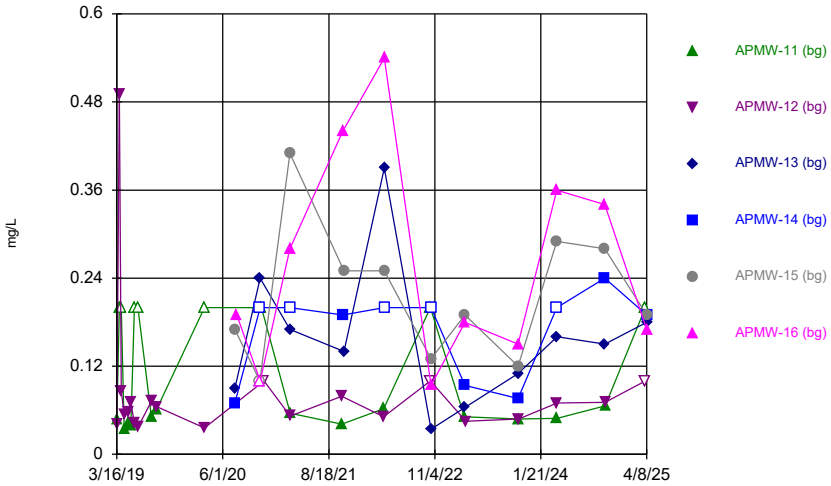
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

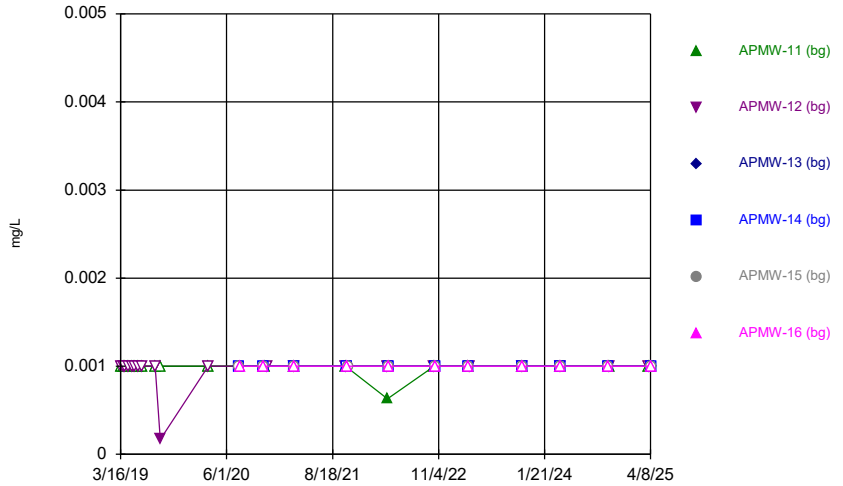
Time Series



Constituent: Fluoride Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

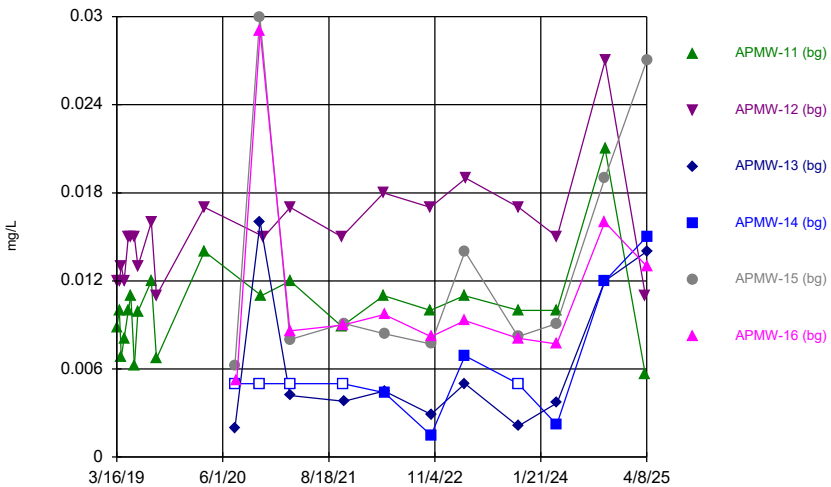
Time Series



Constituent: Lead Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

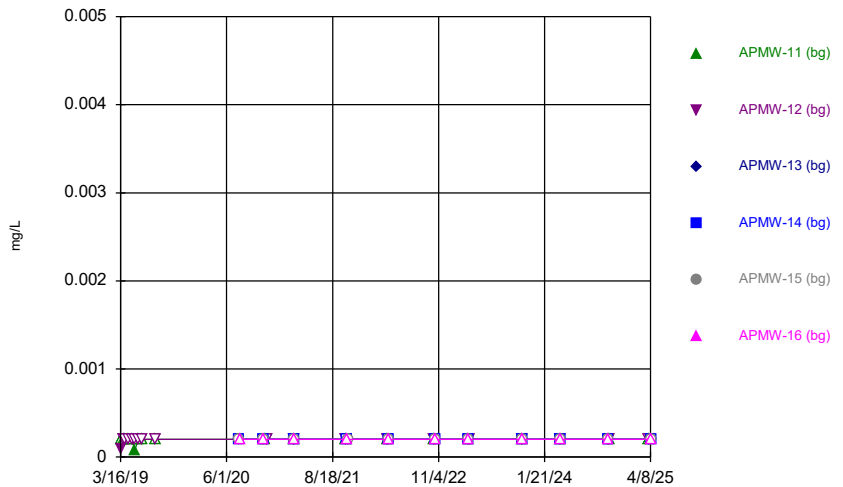
Time Series



Constituent: Lithium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

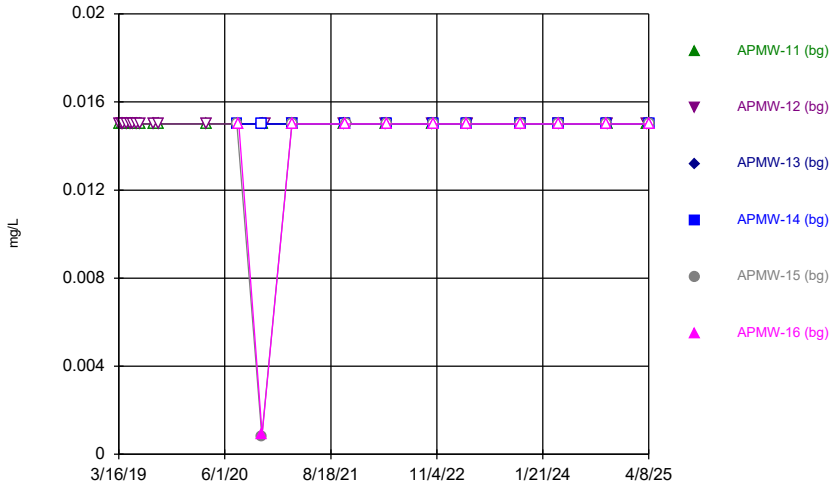
Time Series



Constituent: Mercury Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

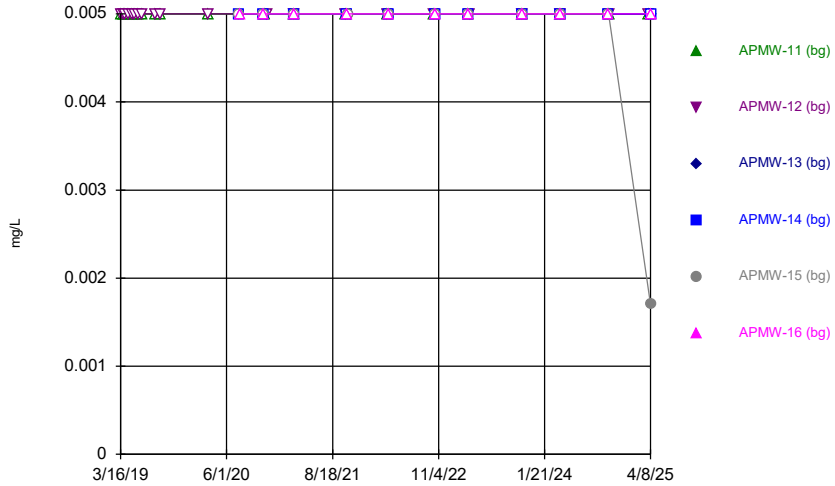
Time Series



Constituent: Molybdenum Analysis Run 6/13/2025 8:40 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

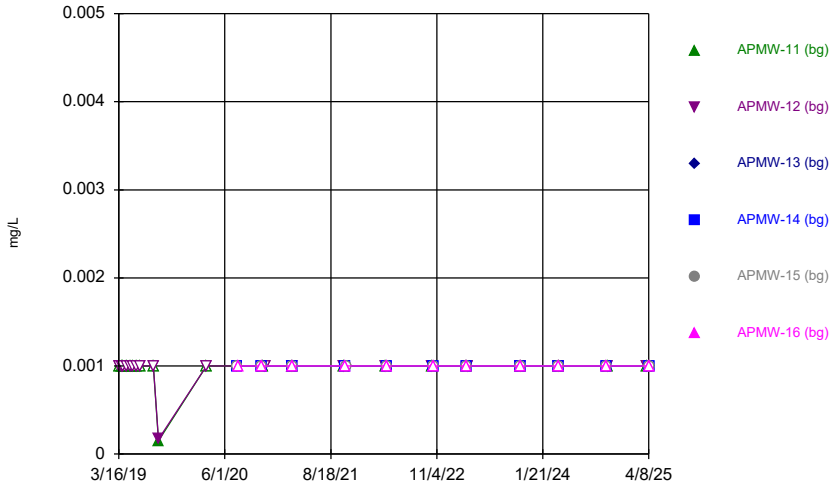
Time Series



Constituent: Selenium Analysis Run 6/13/2025 8:40 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

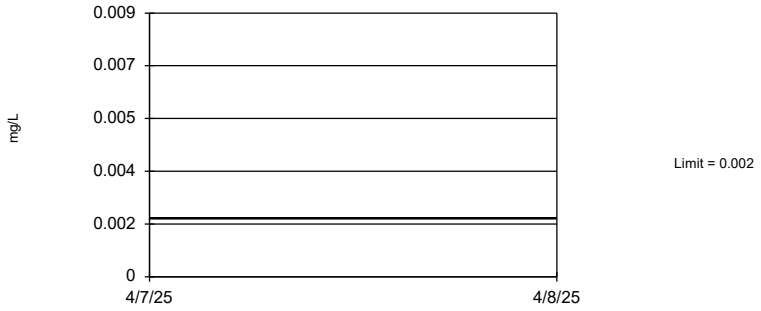
Time Series



Constituent: Thallium Analysis Run 6/13/2025 8:40 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 98.84% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Antimony Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



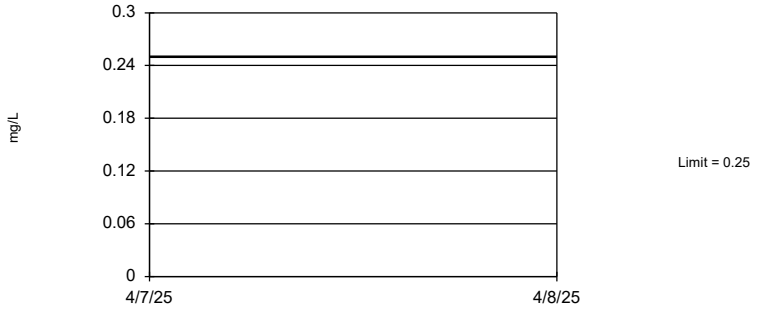
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 86 background values. 45.35% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Arsenic Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



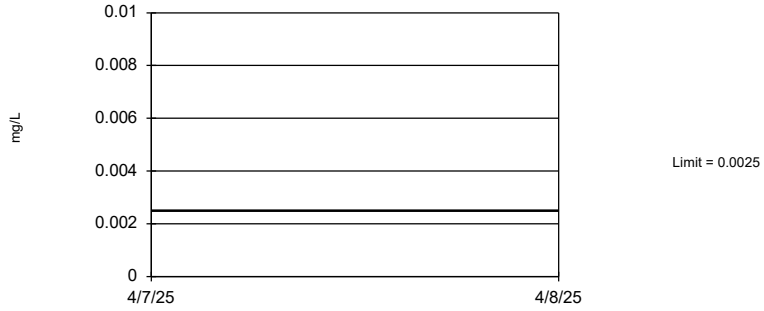
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 86 background values. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Barium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

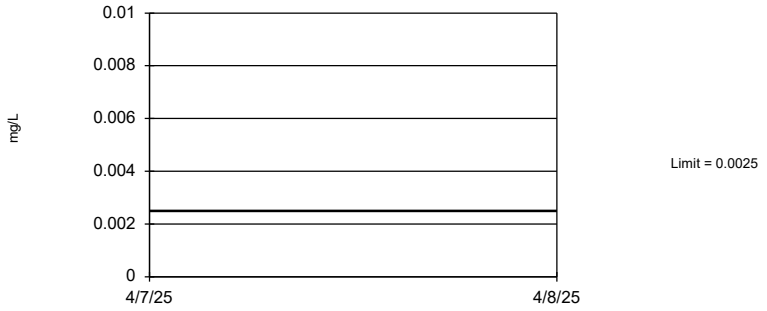


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 95.35% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Beryllium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



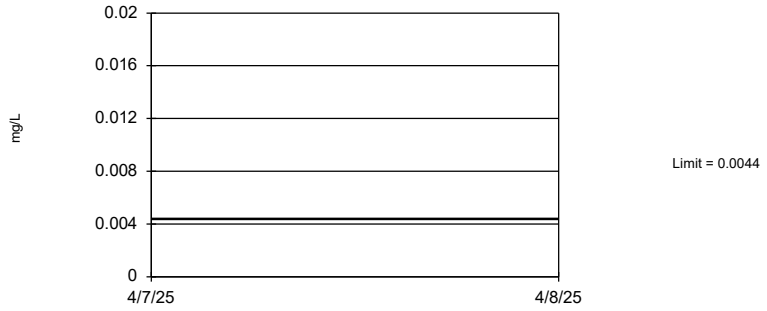
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 98.84% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Cadmium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



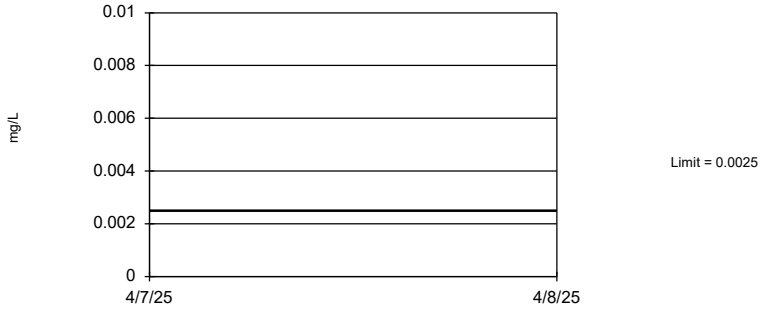
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 82 background values. 80.49% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01491.

Constituent: Chromium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



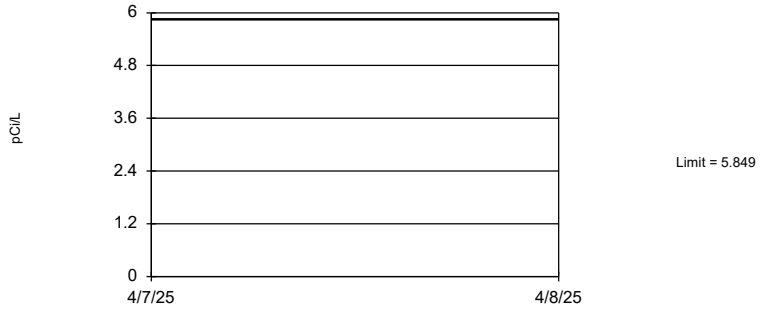
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 89.53% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Cobalt Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric

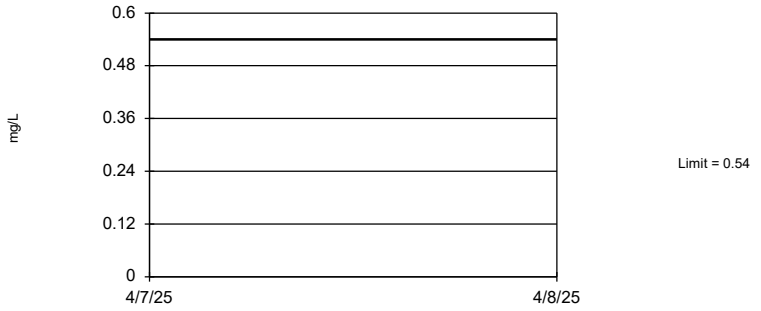


95% coverage. Background Data Summary (based on cube root transformation): Mean=1.088, Std. Dev.=0.3661, n=86, 2.326% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9644, critical = 0.961. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



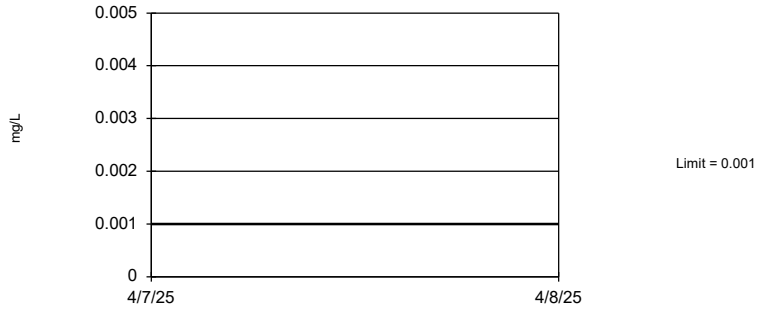
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 86 background values. 20.93% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Fluoride Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



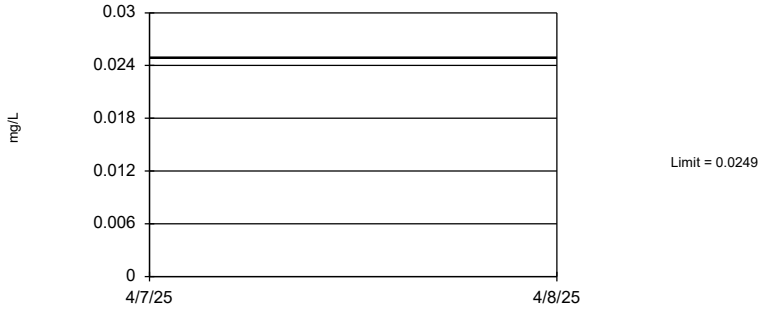
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 97.67% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Lead Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



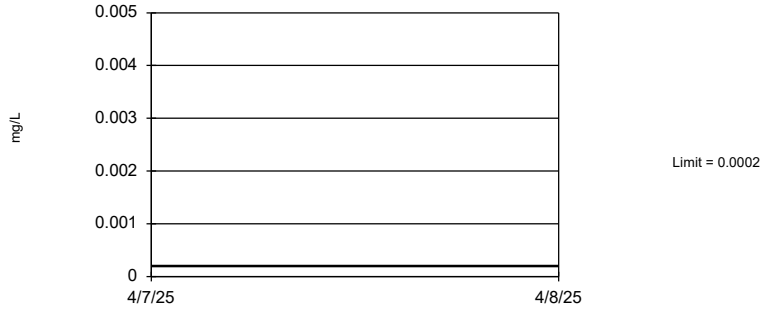
95% coverage. Background Data Summary (based on square root transformation): Mean=0.09977, Std. Dev.=0.02974, n=86, 5.814% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9789, critical = 0.961. Report alpha = 0.05.

Constituent: Lithium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

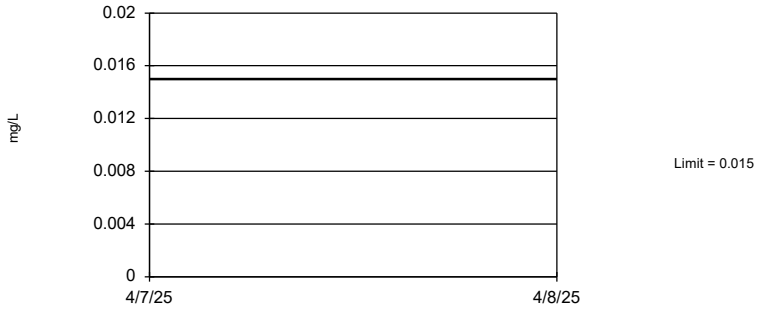


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 82 background values. 97.56% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01491.

Constituent: Mercury Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 97.67% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Molybdenum Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



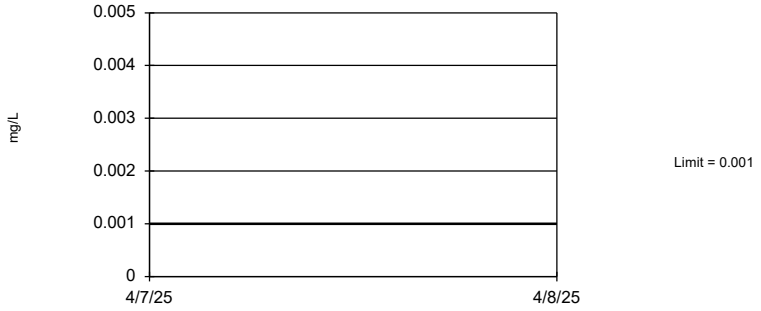
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 98.84% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Selenium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 86 background values. 97.67% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01214.

Constituent: Thallium Analysis Run 6/13/2025 8:39 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE H.

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.849	5.849
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.025	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

FIGURE I.

Confidence Intervals Summary Table - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.11**	**0.032**	**0.01**	**Yes**	**21**	**0.07576**	**0.03941**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08012**	**0.06307**	**0.01**	**Yes**	**21**	**0.0716**	**0.01546**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2333**	**0.2115**	**0.01**	**Yes**	**21**	**0.2224**	**0.01972**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01904**	**0.01252**	**0.01**	**Yes**	**11**	**0.01578**	**0.003907**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.2136**	**0.1421**	**0.01**	**Yes**	**21**	**0.1779**	**0.06485**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.06659**	**0.03417**	**0.01**	**Yes**	**21**	**0.05038**	**0.02938**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.671**	**3.12**	**2**	**Yes**	**21**	**3.395**	**0.4995**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.92**	**8.118**	**5.849**	**Yes**	**21**	**10.02**	**3.447**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.04**	**18.07**	**5.849**	**Yes**	**21**	**19.06**	**1.783**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**8.998**	**7.335**	**5.849**	**Yes**	**11**	**8.166**	**0.998**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.466**	**5.852**	**5.849**	**Yes**	**21**	**6.659**	**1.463**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.111**	**7.114**	**5.849**	**Yes**	**21**	**7.612**	**0.9042**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08342**	**0.07072**	**0.04**	**Yes**	**21**	**0.07707**	**0.01151**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05918**	**0.04711**	**0.04**	**Yes**	**21**	**0.05314**	**0.01094**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08172**	**0.05086**	**0.04**	**Yes**	**11**	**0.06629**	**0.01852**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05753**	**0.05338**	**0.04**	**Yes**	**21**	**0.05545**	**0.003761**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.09275**	**0.07057**	**0.04**	**Yes**	**21**	**0.0835**	**0.02374**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-4D**	**0.289**	**0.1631**	**0.1**	**Yes**	**11**	**0.2261**	**0.07554**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.37**	**0.1**	**Yes**	**21**	**0.4714**	**0.2083**	**0**	**None**	**No**	**0.01**	**NP (normality)**

Confidence Intervals Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.002	0.006	No	11	0.001866	0.0004432	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	APMW-1R	0.002	0.00057	0.006	No	21	0.001932	0.0003121	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	21	0.001971	0.0001309	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.0014	0.006	No	21	0.001904	0.0003283	90.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.002	0.006	No	11	0.001886	0.0003769	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	21	0.001936	0.0002924	95.24	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.11**	**0.032**	**0.01**	**Yes**	**21**	**0.07576**	**0.03941**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01342	0.005451	0.01	No	11	0.009436	0.004783	9.091	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001497	0.0006606	0.01	No	21	0.002208	0.001755	23.81	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	21	0.004203	0.00169	80.95	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003316	0.002382	0.01	No	11	0.002849	0.0005601	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08012**	**0.06307**	**0.01**	**Yes**	**21**	**0.0716**	**0.01546**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003728	0.002799	0.01	No	11	0.003264	0.0005573	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0075	0.01	No	21	0.01372	0.005423	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005499	0.00307	0.01	No	11	0.004285	0.001457	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2333**	**0.2115**	**0.01**	**Yes**	**21**	**0.2224**	**0.01972**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01904**	**0.01252**	**0.01**	**Yes**	**11**	**0.01578**	**0.003907**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005691	0.004058	0.01	No	11	0.004875	0.0009794	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.2136**	**0.1421**	**0.01**	**Yes**	**21**	**0.1779**	**0.06485**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.001633	0.000722	0.01	No	21	0.001275	0.000924	4.762	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	**APMW-8**	**0.06659**	**0.03417**	**0.01**	**Yes**	**21**	**0.05038**	**0.02938**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.003849	0.002204	0.01	No	11	0.003027	0.000987	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001388	0.00117	0.01	No	21	0.001279	0.000197	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3185	0.2586	2	No	21	0.2886	0.05425	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03094	0.02124	2	No	11	0.02553	0.007606	9.091	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.541	1.103	2	No	21	1.322	0.3976	0	None	No	0.01	Param.
Barium (mg/L)	**APMW-2**	**3.671**	**3.12**	**2**	**Yes**	**21**	**3.395**	**0.4995**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06738	0.04349	2	No	11	0.05544	0.01433	0	None	No	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.098	2	No	21	0.1002	0.008942	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1811	0.1507	2	No	11	0.1659	0.01828	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.3846	0.2251	2	No	21	0.3162	0.1479	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-4D	0.24	0.077	2	No	11	0.1376	0.08806	0	None	No	0.006	NP (normality)
Barium (mg/L)	APMW-5	0.106	0.09771	2	No	21	0.1019	0.007519	0	None	No	0.01	Param.
Barium (mg/L)	APMW-5D	0.05958	0.04077	2	No	11	0.05017	0.01129	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1671	0.09363	2	No	11	0.1304	0.04408	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06018	0.04924	2	No	21	0.05471	0.009915	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8217	0.6412	2	No	21	0.7314	0.1636	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	21	0.2281	0.02839	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1429	0.07925	2	No	11	0.1111	0.03821	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.5138	0.4414	2	No	21	0.4776	0.06557	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	21	0.002319	0.0005754	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.0025	0.004	No	11	0.002325	0.0005819	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	21	0.00239	0.0005041	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00032	0.004	No	21	0.001875	0.001015	71.43	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00021	0.004	No	21	0.00228	0.0006933	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-4	0.0025	0.00024	0.004	No	21	0.002392	0.0004932	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.003	0.00036	0.004	No	21	0.002422	0.0004848	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	21	0.002393	0.000491	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	21	0.002294	0.0006498	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	21	0.00219	0.0007781	85.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	21	0.002393	0.000491	95.24	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.0025	0.005	No	11	0.002295	0.0006784	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	21	0.00229	0.0006634	90.48	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	21	0.002058	0.0009338	80.95	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.0012	0.1	No	19	0.002021	0.0003392	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.002	0.1	No	11	0.001997	0.0001857	81.82	None	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	19	0.001937	0.0001892	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002196	0.001547	0.1	No	19	0.002068	0.0005034	36.84	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	APMW-4D	0.002	0.002	0.1	No	11	0.002418	0.001387	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	19	0.001842	0.0003388	68.42	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.002	0.0019	0.1	No	11	0.00208	0.0006122	72.73	Kaplan-Meier	No	0.006	NP (NDs)
Chromium (mg/L)	APMW-7	0.002	0.0014	0.1	No	19	0.0018	0.0003037	57.89	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	19	0.001953	0.0004005	78.95	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	21	0.002168	0.0008339	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.0025	0.006	No	11	0.002298	0.0006694	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.00042	0.006	No	21	0.00169	0.001062	61.9	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00316	0.002411	0.006	No	21	0.002786	0.0006792	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00034	0.006	No	11	0.002095	0.0009005	81.82	None	No	0.006	NP (NDs)

Confidence Intervals Summary Table - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	APMW-4	0.003585	0.002968	0.006	No	21	0.003276	0.0005594	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.007737	0.003792	0.006	No	11	0.005765	0.002367	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	21	0.002269	0.0007288	90.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.00071	0.00027	0.006	No	11	0.0004218	0.0002588	0	None	No	0.006	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.0025	0.006	No	11	0.002292	0.0006905	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.0039	0.0022	0.006	No	21	0.003557	0.003445	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	21	0.001442	0.001137	52.38	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-8D	0.0025	0.0025	0.006	No	11	0.002383	0.0003889	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	21	0.00227	0.000726	90.48	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.379	2.692	5.849	No	21	3.035	0.6224	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.6904	0.2202	5.849	No	11	0.4553	0.2821	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.92**	**8.118**	**5.849**	**Yes**	**21**	**10.02**	**3.447**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.04**	**18.07**	**5.849**	**Yes**	**21**	**19.06**	**1.783**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.7559	0.0001274	5.849	No	11	0.3427	0.5338	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.785	5.668	5.849	No	21	6.159	1.1	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.095	0.4598	5.849	No	11	0.7775	0.3813	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.373	1.747	5.849	No	21	2.06	0.5671	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**8.998**	**7.335**	**5.849**	**Yes**	**11**	**8.166**	**0.998**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.479	3.662	5.849	No	21	4.07	0.7413	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.6666	0.0192	5.849	No	11	0.3429	0.3885	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.105	0.4313	5.849	No	11	0.7682	0.4042	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.327	2.765	5.849	No	21	2.976	0.7252	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-7**	**7.466**	**5.852**	**5.849**	**Yes**	**21**	**6.659**	**1.463**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-8	5.015	3.627	5.849	No	21	4.405	1.435	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.013	0.2809	5.849	No	11	0.6468	0.4392	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.111**	**7.114**	**5.849**	**Yes**	**21**	**7.612**	**0.9042**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7599	0.6122	4	No	22	0.6686	0.1744	4.545	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2221	0.1652	4	No	11	0.1936	0.03414	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.1603	0.114	4	No	21	0.1793	0.04161	47.62	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-2	0.2	0.07	4	No	21	0.1367	0.06376	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.203	0.1497	4	No	11	0.1764	0.03202	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.444	0.2421	4	No	22	0.3814	0.2043	27.27	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1693	0.1289	4	No	11	0.1491	0.02427	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.4998	0.376	4	No	22	0.42	0.1417	9.091	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2091	0.08059	4	No	11	0.1851	0.0718	45.45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.27	0.09	4	No	22	0.217	0.2719	45.45	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.1958	0.1146	4	No	11	0.1552	0.04872	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2057	0.1398	4	No	11	0.1727	0.03952	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.22	0.14	4	No	20	0.2075	0.04494	70	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.12	4	No	22	0.2736	0.3774	18.18	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	0.973	0.7536	4	No	21	0.8633	0.1988	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-8D	0.1642	0.08966	4	No	11	0.1269	0.0447	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.07	4	No	22	0.1667	0.1593	31.82	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	21	0.0009071	0.0002599	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0008787	0.0004565	0.015	No	11	0.0008064	0.000274	36.36	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-1R	0.0012	0.001	0.015	No	21	0.00101	0.00004364	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	21	0.0009629	0.0001702	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.0002	0.015	No	11	0.0006914	0.0003709	54.55	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	21	0.0009481	0.0001641	90.48	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	21	0.0009819	0.00008292	95.24	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.001	0.015	No	11	0.0009355	0.0002141	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	21	0.0009462	0.000188	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.001	0.00019	0.015	No	11	0.0007464	0.0005716	36.36	None	No	0.006	NP (normality)
Lead (mg/L)	APMW-6R	0.001	0.00035	0.015	No	21	0.0009367	0.0002001	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	21	0.001043	0.0001964	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	21	0.001031	0.0001569	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	21	0.0009295	0.0002264	90.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01627	0.009562	0.04	No	21	0.01339	0.006972	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.0166	0.008178	0.04	No	11	0.01239	0.005055	9.091	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01713	0.01139	0.04	No	21	0.01426	0.005205	4.762	None	No	0.01	Param.
Lithium (mg/L)	APMW-2	0.03231	0.02579	0.04	No	21	0.02905	0.005912	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01076	0.008382	0.04	No	11	0.009573	0.001429	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08342**	**0.07072**	**0.04**	**Yes**	**21**	**0.07707**	**0.01151**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01693	0.009176	0.04	No	11	0.01305	0.004653	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05918**	**0.04711**	**0.04**	**Yes**	**21**	**0.05314**	**0.01094**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08172**	**0.05086**	**0.04**	**Yes**	**11**	**0.06629**	**0.01852**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.05096	0.03995	0.04	No	21	0.04581	0.01036	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-5D	0.008681	0.006393	0.04	No	11	0.007537	0.001373	0	None	No	0.01	Param.

Confidence Intervals Summary Table - All Results

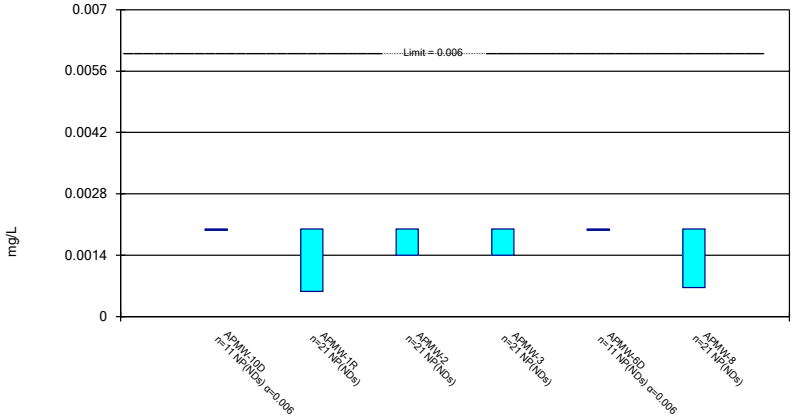
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 2:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	APMW-6D	0.0121	0.0063	0.04	No	11	0.00946	0.004645	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05753**	**0.05338**	**0.04**	**Yes**	**21**	**0.05545**	**0.003761**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.005783	0.002932	0.04	No	21	0.00519	0.004871	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.09275**	**0.07057**	**0.04**	**Yes**	**21**	**0.0835**	**0.02374**	**0**	**None**	**ln(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-8D	0.00759	0.002838	0.04	No	11	0.005727	0.003202	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium (mg/L)	APMW-9	0.005267	0.003131	0.04	No	21	0.0051	0.003314	19.05	Kaplan-Meier	ln(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	19	0.0001939	0.00002638	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	19	0.0001974	0.00001147	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	19	0.0001944	0.00002455	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	19	0.0001942	0.00002524	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	19	0.0001935	0.00002822	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	19	0.0002079	0.00003441	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.1	0.033	0.1	No	21	0.06886	0.03424	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.009895	0.003087	0.1	No	11	0.00664	0.004517	9.091	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	21	0.01432	0.003101	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.0038	0.0011	0.1	No	11	0.001879	0.001466	0	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06871	0.05915	0.1	No	21	0.06393	0.008661	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.00072	0.1	No	11	0.004839	0.006539	27.27	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-4	0.00871	0.005471	0.1	No	21	0.00709	0.002936	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.289**	**0.1631**	**0.1**	**Yes**	**11**	**0.2261**	**0.07554**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1359	0.07628	0.1	No	21	0.1061	0.05404	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0014	0.0008	0.1	No	11	0.00164	0.001954	9.091	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003306	0.001057	0.1	No	11	0.002272	0.001858	9.091	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5**	**0.37**	**0.1**	**Yes**	**21**	**0.4714**	**0.2083**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	21	0.01152	0.005237	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1518	0.09116	0.1	No	21	0.1215	0.05495	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00086	0.1	No	11	0.004806	0.006549	27.27	None	No	0.006	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.0011	0.1	No	21	0.013	0.005028	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	21	0.004348	0.001638	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	21	0.004367	0.001591	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0014	0.05	No	21	0.003351	0.001819	52.38	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.005	0.05	No	11	0.004655	0.001146	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	21	0.004361	0.001604	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	21	0.004215	0.001669	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-6R	0.005	0.0016	0.05	No	21	0.004671	0.001038	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.0019	0.05	No	21	0.004196	0.001724	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.0017	0.05	No	21	0.003999	0.00185	76.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0019	0.05	No	21	0.004028	0.001806	76.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	21	0.0009243	0.0002099	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.001	0.002	No	11	0.0009609	0.0001296	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	21	0.0009614	0.0001768	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	21	0.0009924	0.00003491	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	21	0.0009581	0.000192	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	21	0.000939	0.0002513	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	21	0.0009924	0.0002164	90.48	None	No	0.01	NP (NDs)

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

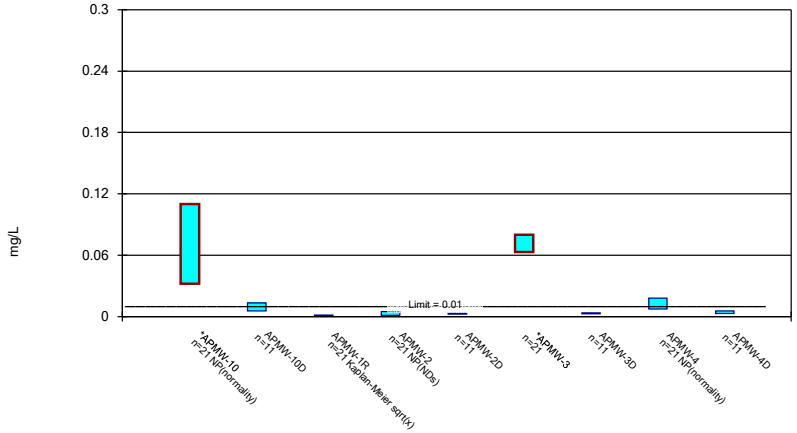


Constituent: Antimony Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

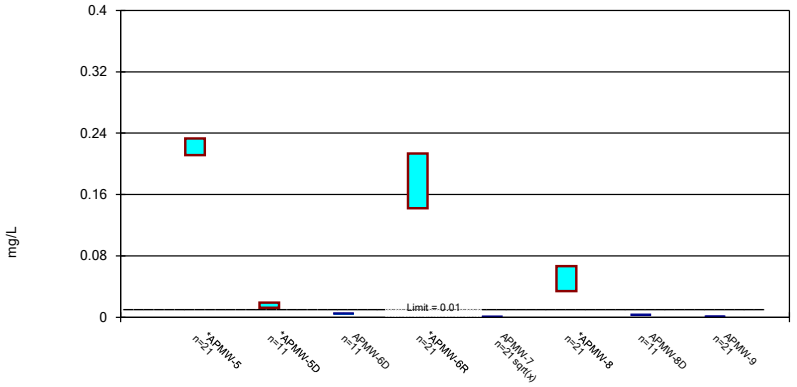


Constituent: Arsenic Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

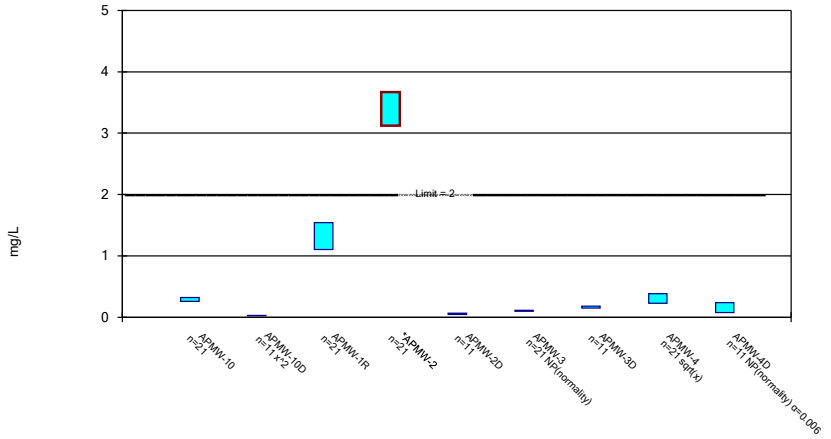


Constituent: Arsenic Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

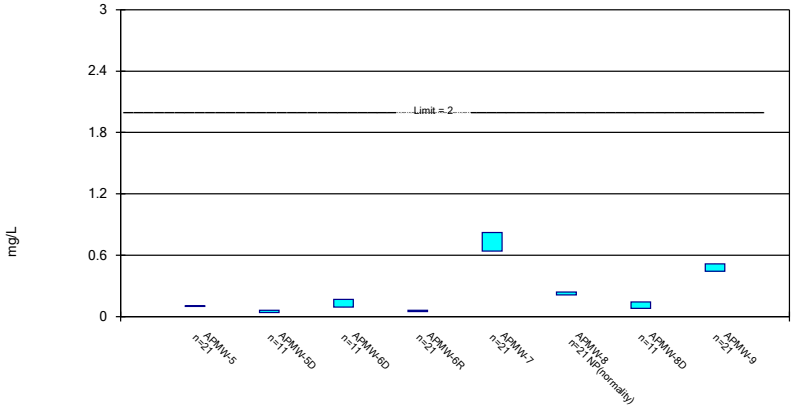


Constituent: Barium Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

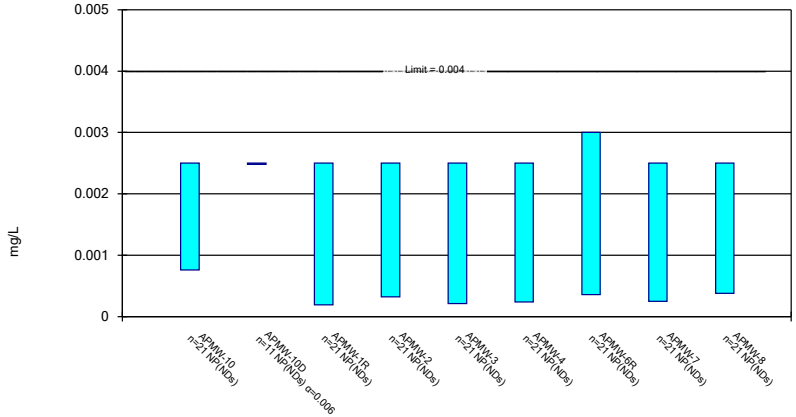


Constituent: Barium Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

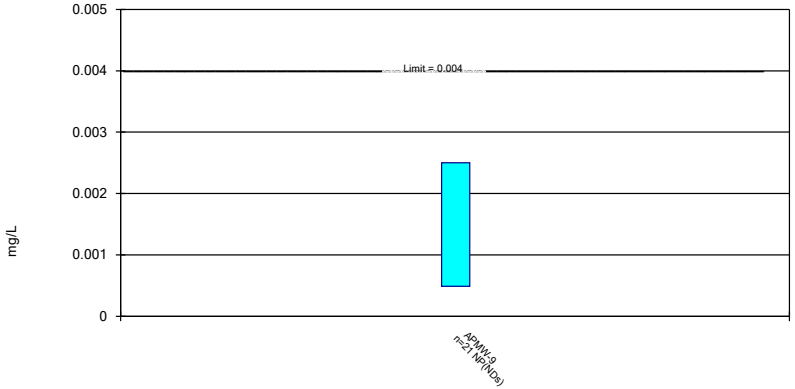


Constituent: Beryllium Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

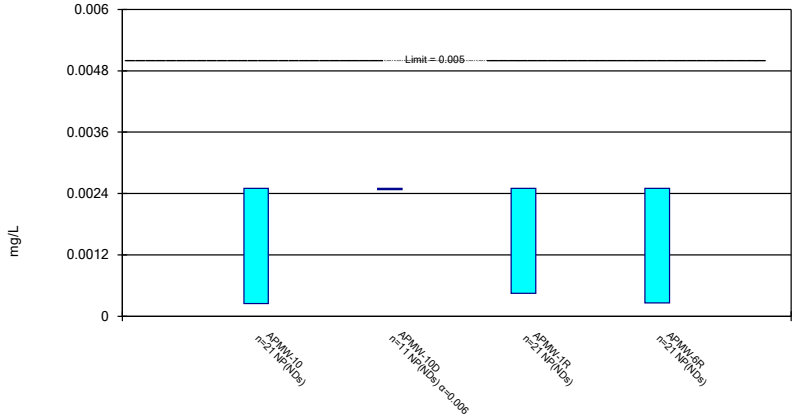


Constituent: Beryllium Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

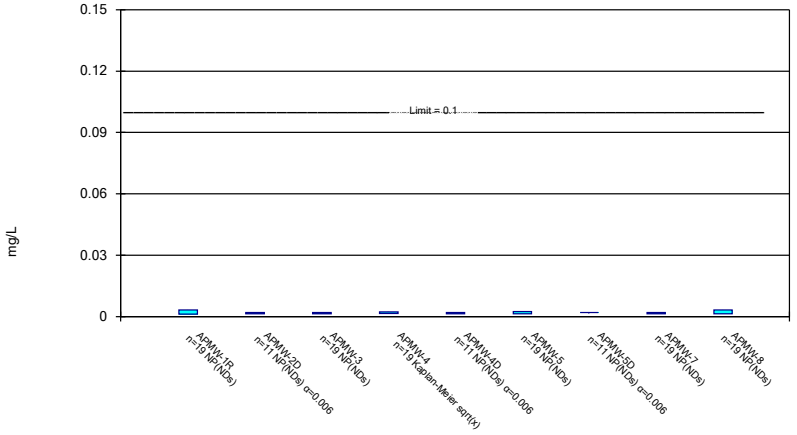


Constituent: Cadmium Analysis Run 6/16/2025 2:17 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

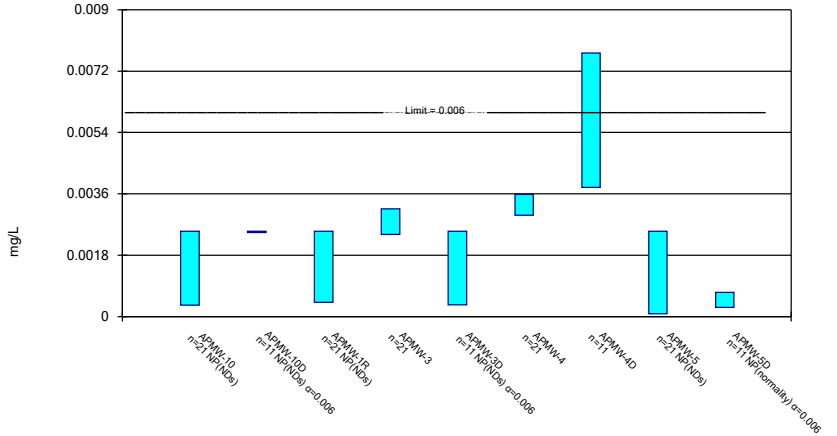


Constituent: Chromium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

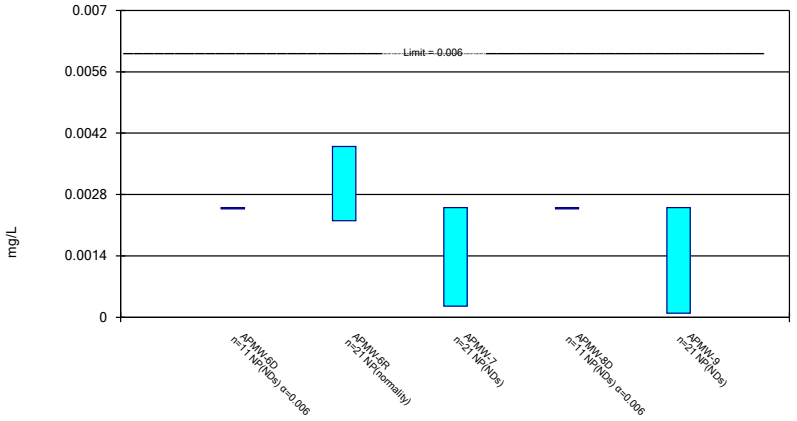


Constituent: Cobalt Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

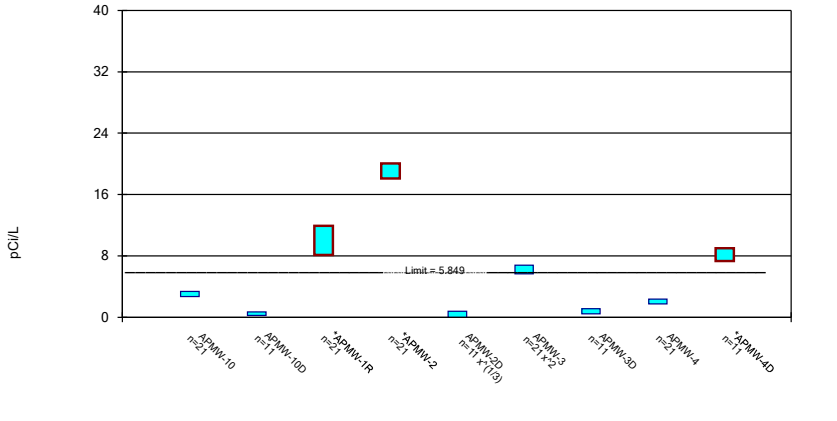


Constituent: Cobalt Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

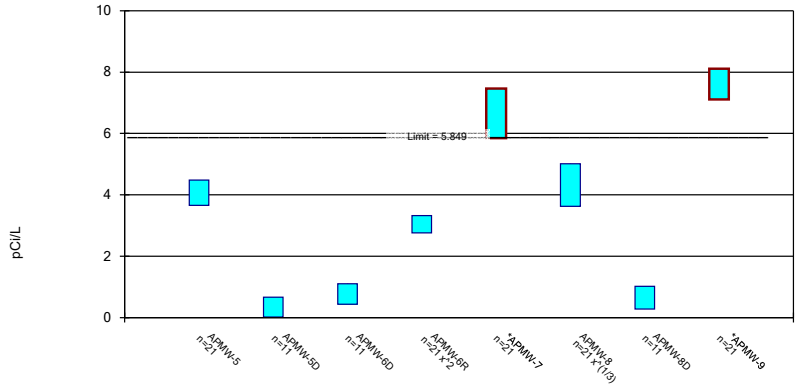


Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confiden
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

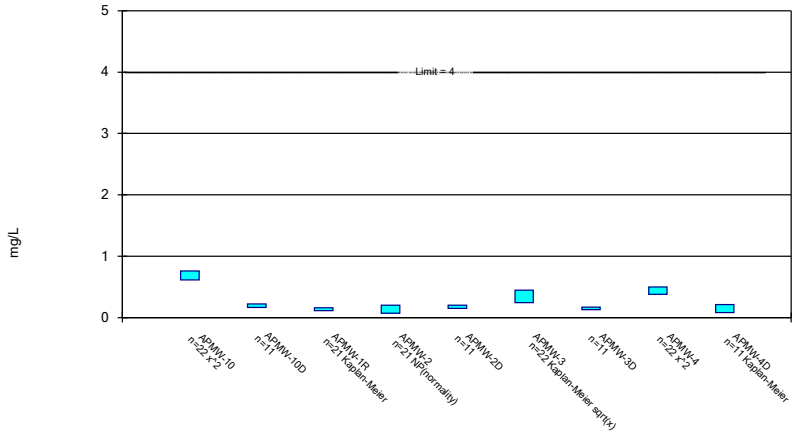


Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confiden
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

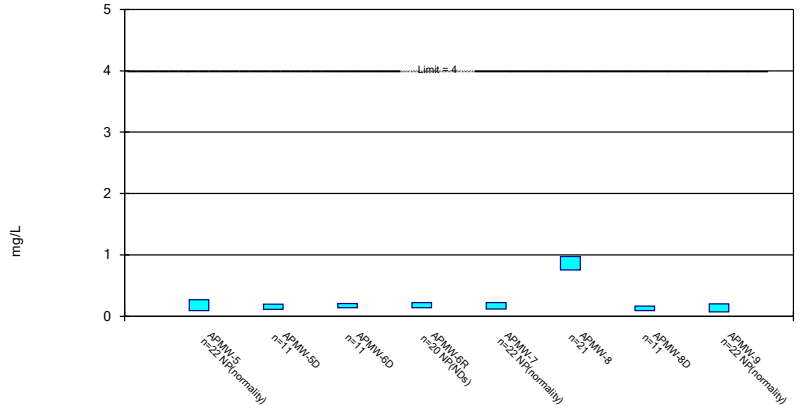


Constituent: Fluoride Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

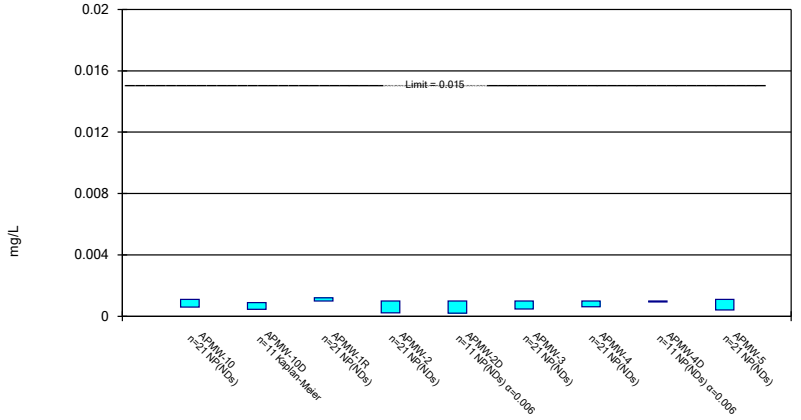


Constituent: Fluoride Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

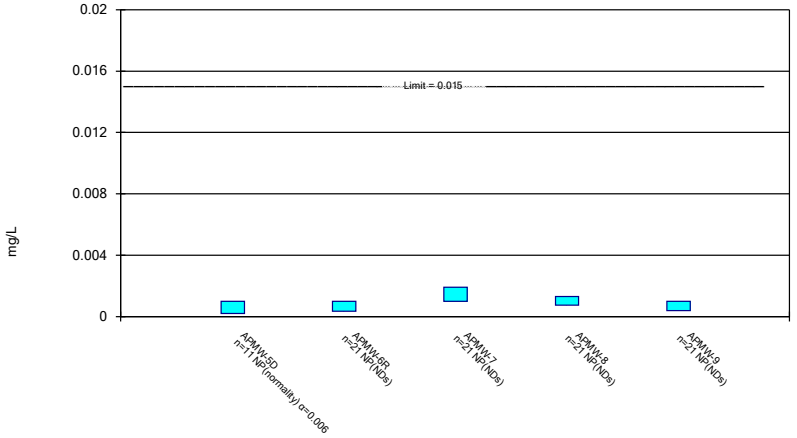


Constituent: Lead Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

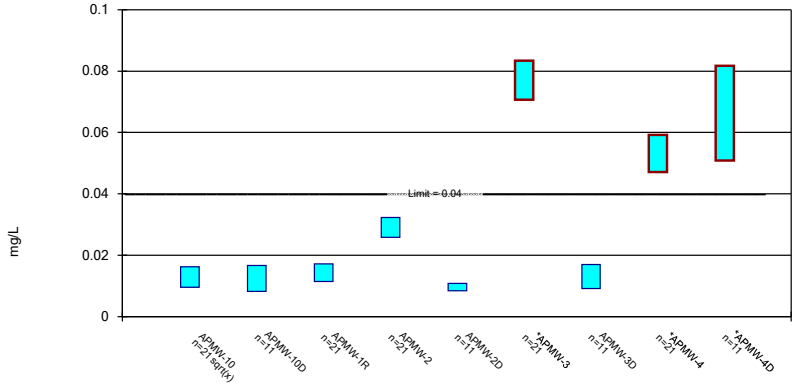


Constituent: Lead Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

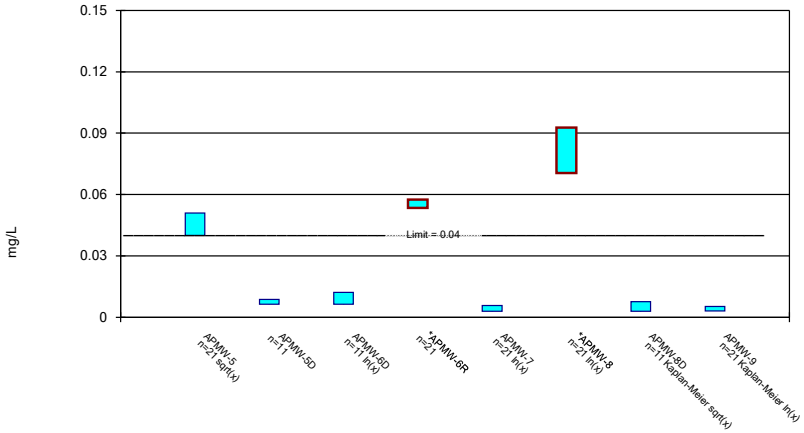


Constituent: Lithium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

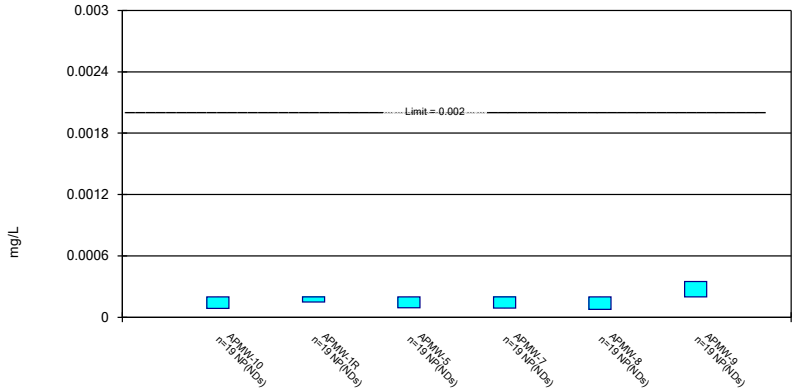


Constituent: Lithium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

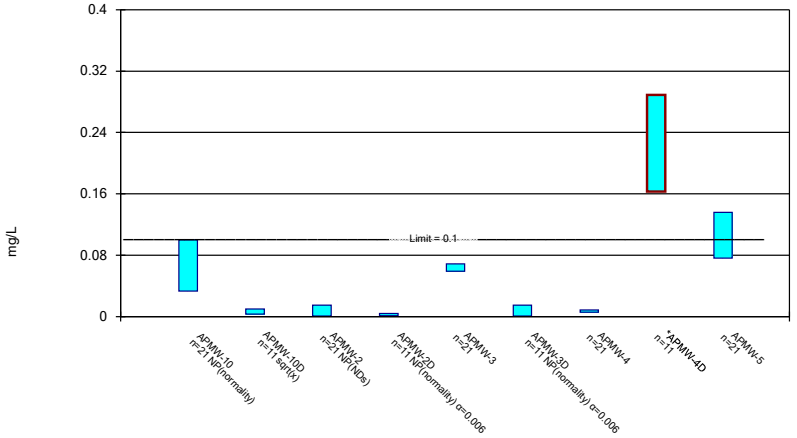


Constituent: Mercury Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

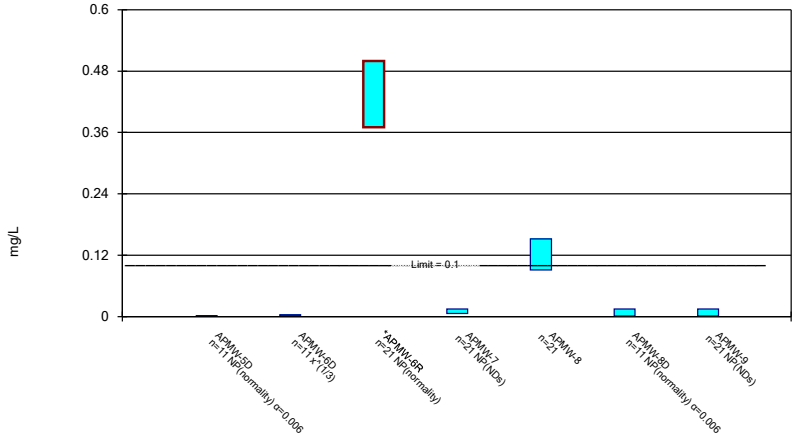


Constituent: Molybdenum Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

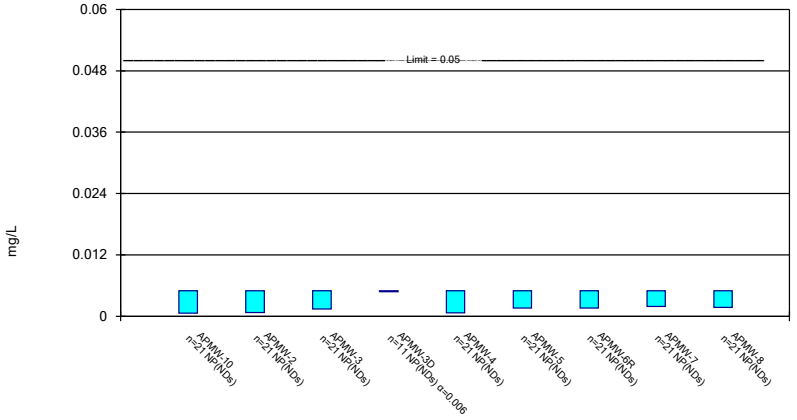


Constituent: Molybdenum Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

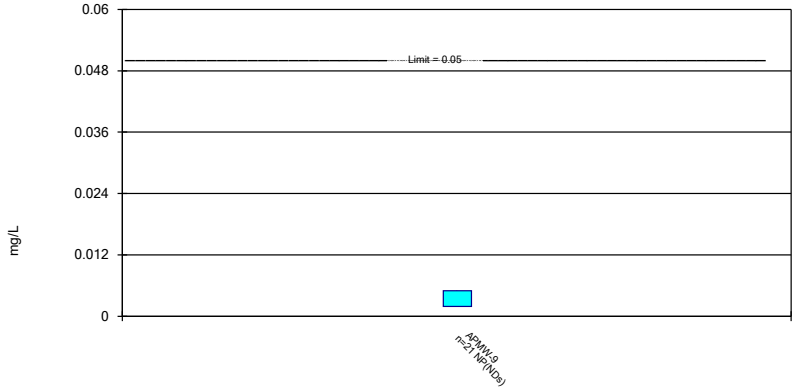


Constituent: Selenium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

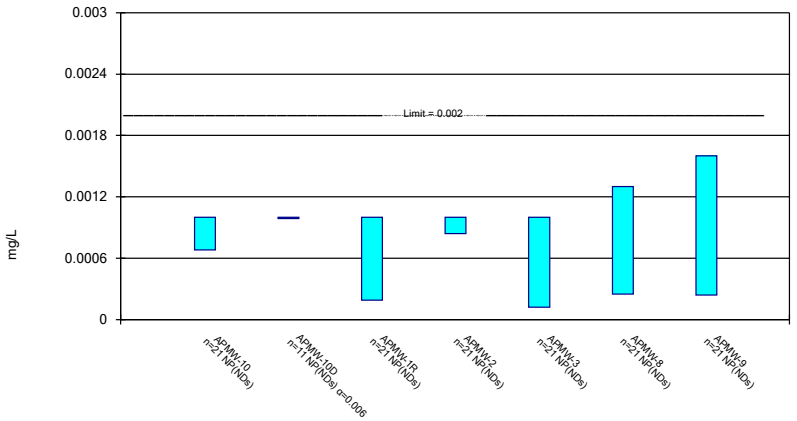


Constituent: Selenium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 6/16/2025 2:18 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6D	APMW-8
4/24/2018			<0.002	<0.002		
4/25/2018						<0.002
6/14/2018			<0.002	<0.002		<0.002
7/23/2018						<0.002
7/24/2018			<0.002	<0.002		
9/1/2018			<0.002	<0.002		
9/6/2018						<0.002
10/1/2018			<0.002	<0.002		
10/2/2018						<0.002
11/1/2018						<0.002
11/2/2018			<0.002	<0.002		
12/6/2018						<0.002
12/7/2018			<0.002	<0.002		
2/13/2019			<0.002	<0.002		<0.002
3/16/2019		<0.002				
3/27/2019		<0.002				
4/3/2019		<0.002				
4/15/2019		<0.002				
5/2/2019		<0.002				
5/14/2019		<0.002				
5/28/2019		<0.002				
6/12/2019		<0.002				
8/8/2019		<0.002	0.0014 (J)	<0.002		
8/9/2019						<0.002
8/30/2019		<0.002	<0.002	<0.002		<0.002
3/16/2020		<0.002	<0.002	<0.002		
3/17/2020						<0.002
7/13/2020	<0.002					
7/14/2020					<0.002	
11/4/2020		<0.002				
11/5/2020			<0.002	<0.002		
11/9/2020						<0.002
11/10/2020					<0.002	
11/20/2020	<0.002					
3/8/2021	<0.002	<0.002	<0.002			
3/9/2021				<0.002		<0.002
3/10/2021					<0.002	
10/12/2021	<0.002	<0.002	<0.002			
10/14/2021					<0.002	
10/21/2021				<0.002		<0.002
4/4/2022		<0.002				
4/5/2022	<0.002		<0.002	<0.002		
4/6/2022						0.00066 (J)
4/7/2022					0.00075 (J)	
10/17/2022		<0.002	<0.002			
10/18/2022	0.00053 (J)			0.00059 (J)		<0.002
10/19/2022					<0.002	
3/8/2023		<0.002	<0.002	<0.002		
3/9/2023					<0.002	<0.002
3/13/2023	<0.002					
10/19/2023		<0.002	<0.002	<0.002		
10/20/2023					<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6D	APMW-8
10/21/2023	<0.002					
3/25/2024		<0.002	<0.002	<0.002		
3/28/2024					<0.002	<0.002
3/29/2024	<0.002					
10/16/2024	<0.002	<0.002	<0.002			
10/17/2024				0.0014 (J)	<0.002	<0.002
4/3/2025	<0.002	0.00057 (J)	<0.002			<0.002
4/4/2025				<0.002	<0.002	
Mean	0.001866	0.001932	0.001971	0.001904	0.001886	0.001936
Std. Dev.	0.0004432	0.0003121	0.0001309	0.0003283	0.0003769	0.0002924
Upper Lim.	0.002	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.002	0.00057	0.0014	0.0014	0.002	0.00066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.00077 (J)		0.084		0.019	
4/25/2018	0.13								
6/13/2018	0.11								
6/14/2018				<0.005		0.081		0.018	
7/23/2018	0.13								
7/24/2018				<0.005		0.093		0.018	
9/1/2018	0.12			<0.005		0.099		0.017	
10/1/2018				0.00094 (J)		0.077		0.017	
10/2/2018	0.11								
11/1/2018	0.11								
11/2/2018				0.0012 (J)		0.067		0.018	
12/6/2018	0.12							0.018	
12/7/2018				<0.005		0.063			
2/13/2019	0.098			<0.005		0.065		0.019	
3/16/2019			0.0021						
3/27/2019			0.0019						
4/3/2019			0.0019						
4/15/2019			0.0025						
5/2/2019			0.0019						
5/14/2019			0.0027						
5/28/2019			<0.005						
6/12/2019			0.0023						
8/8/2019	0.11		0.0012	0.00035 (J)		0.074			
8/9/2019								0.018	
8/30/2019	0.079		0.0011	<0.005		0.07		0.016	
3/16/2020			0.00085 (J)	<0.005		0.071		0.017	
3/17/2020	0.093								
7/11/2020					0.00374				
7/13/2020		0.0116					0.002		
7/14/2020									0.00773
11/4/2020			0.00069 (J)						
11/5/2020				<0.005	0.0033	0.064			
11/9/2020							0.0033	0.018	0.0043
11/20/2020	0.072	0.019							
3/8/2021	0.047	0.01	0.0005 (J)	<0.005	0.0032				
3/9/2021						0.042	0.0035	0.016	0.0059
10/11/2021							0.0037		
10/12/2021	0.028	0.011	<0.005	<0.005	0.0027				
10/14/2021								0.012	0.0046
10/21/2021						0.0445 (D)			
4/4/2022			0.0004 (J)						
4/5/2022	0.039	0.016		<0.005	0.0029	0.047	0.0028		0.0044
4/6/2022								0.011	
10/17/2022			0.00031 (J)	<0.005					
10/18/2022	0.037	0.0054			0.0028	0.061	0.0037		0.0028
10/19/2022								0.0073	
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072	0.0027	0.0075	0.0031
3/13/2023	0.032	<0.005							
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096	0.0033 (J)	0.0076 (J)	0.0039 (J)
10/21/2023	0.037	0.007 (J)							
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072			
3/26/2024							0.0039	0.0041	0.0033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.032	0.007							
10/16/2024	0.029	0.0072 (J)	<0.005	<0.005	0.002 (J)				
10/17/2024						0.083	0.0036 (J)	0.0059 (J)	0.0029 (J)
4/2/2025	0.028								
4/3/2025		0.0071 (J)	<0.005	<0.005	0.002 (J)			0.0038 (J)	0.0042 (J)
4/4/2025						0.078	0.0034 (J)		
Mean	0.07576	0.009436	0.002208	0.004203	0.002849	0.0716	0.003264	0.01372	0.004285
Std. Dev.	0.03941	0.004783	0.001755	0.00169	0.0005601	0.01546	0.0005573	0.005423	0.001457
Upper Lim.	0.11	0.01342	0.001497	0.005	0.003316	0.08012	0.003728	0.018	0.005499
Lower Lim.	0.032	0.005451	0.0006606	0.0012	0.002382	0.06307	0.002799	0.0075	0.00307

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.24				0.0021	0.097		0.0016
6/13/2018								0.001 (J)
6/14/2018	0.22				0.0015	0.089		
7/23/2018						0.094		0.0011 (J)
7/24/2018	0.23				0.0015			
9/1/2018	0.22							
9/6/2018					0.0013	0.082		0.0011 (J)
10/2/2018	0.21				0.0014	0.075		0.0015
11/1/2018						0.081		0.0014
11/2/2018	0.26				0.0028			
12/6/2018	0.23				0.0033	0.079		0.0016
2/13/2019	0.23				0.0012 (J)	0.077		0.0013
4/5/2019				0.13 (D)				
4/15/2019				0.13				
5/2/2019				0.089				
5/14/2019				0.13				
5/29/2019				0.12				
6/12/2019				0.13				
6/19/2019				0.16				
6/25/2019				0.13				
8/8/2019								0.0012
8/9/2019	0.24			0.16	0.00053 (J)	0.052		
8/30/2019	0.2			0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.21			0.18	0.00053 (J)	0.043		0.001
7/13/2020							0.000995 (J)	
7/14/2020			0.00412					
7/30/2020		0.00958						
11/9/2020	0.26	0.012				0.036		
11/10/2020			0.0041		0.00058 (J)		0.0034	
11/20/2020				0.18				0.0012
3/8/2021								0.0015
3/9/2021	0.21	0.013		0.21	0.00045 (J)	0.035	0.0045	
3/10/2021			0.0045					
10/11/2021		0.013						
10/12/2021	0.21				0.00044 (J)		0.0044	0.0013
10/14/2021			0.0055					
10/20/2021				0.2 (D)				
10/21/2021						0.026 (D)		
4/6/2022	0.21	0.016			0.00048 (J)	0.023	0.0028	0.0013
4/7/2022			0.0052	0.21				
10/18/2022					0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.18	0.014	0.0031	0.21				
3/9/2023	0.22	0.016	0.0041	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023								0.0014
10/20/2023	0.25	0.022	0.0055 (J)	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
3/26/2024	0.21	0.019		0.3	0.00068 (J)		0.0031	
3/28/2024			0.0051			0.019		0.0012
10/16/2024								0.0015 (J)
10/17/2024	0.22	0.021	0.006 (J)	0.31	0.0029 (J)	0.025	0.0029 (J)	
3/31/2025				0.076				
4/3/2025	0.21	0.018				0.028		0.00096 (J)
4/4/2025			0.0064 (J)		<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/10/2025							0.0036 (J)	
Mean	0.2224	0.01578	0.004875	0.1779	0.001275	0.05038	0.003027	0.001279
Std. Dev.	0.01972	0.003907	0.0009794	0.06485	0.000924	0.02938	0.000987	0.000197
Upper Lim.	0.2333	0.01904	0.005691	0.2136	0.001633	0.06659	0.003849	0.001388
Lower Lim.	0.2115	0.01252	0.004058	0.1421	0.000722	0.03417	0.002204	0.00117

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				2.8		0.097		0.46	
4/25/2018	0.26								
6/13/2018	0.3								
6/14/2018				3.1		0.11		0.5	
7/23/2018	0.24								
7/24/2018				3		0.1		0.54	
9/1/2018	0.25			2.9		0.12		0.53	
10/1/2018				4		0.1		0.5	
10/2/2018	0.23								
11/1/2018	0.23								
11/2/2018				3.1		0.1		0.5	
12/6/2018	0.24							0.43	
12/7/2018				3.3		0.11			
2/13/2019	0.26			2.9		0.1		0.45	
3/16/2019			0.89						
3/27/2019			1.1						
4/3/2019			1.1						
4/15/2019			0.98						
5/2/2019			0.94						
5/14/2019			1						
5/28/2019			1						
6/12/2019			0.91						
8/8/2019	0.24		0.93	3.2		0.1			
8/9/2019								0.33	
8/30/2019	0.2		0.91	2.7		0.1		0.29	
3/16/2020			1.2	3.2		0.1		0.27	
3/17/2020	0.25								
7/11/2020					0.0418				
7/13/2020		0.0358					0.135		
7/14/2020									0.342
11/4/2020			1.4						
11/5/2020				3.2	0.038	0.1			
11/9/2020							0.14	0.23	0.24
11/20/2020	0.27	0.032							
3/8/2021	0.32	0.026	1.3	3.3	0.037				
3/9/2021						0.1	0.16	0.22	0.21
10/11/2021							0.18		
10/12/2021	0.34	0.027	1.5	3.3	0.04				
10/14/2021								0.21	0.13
10/21/2021						0.095			
4/4/2022			1.6						
4/5/2022	0.37	0.027		3.6	0.049	0.098	0.18		0.097
4/6/2022								0.17	
10/17/2022			1.7	3.4					
10/18/2022	0.37	0.027			0.067	0.096	0.19		0.088
10/19/2022								0.23	
3/8/2023			1.8	3.6	0.06	0.11	0.16	0.17	0.083
3/13/2023	0.38	<0.01							
10/19/2023			1.9	3.9	0.068	0.071	0.18	0.16	0.088
10/21/2023	0.32	0.026							
3/25/2024			1.6	3.9	0.066	0.099			
3/26/2024							0.17	0.14	0.082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.34	0.025							
10/16/2024	0.34	0.024 (J)	2.2	4.5	0.073				
10/17/2024						0.1	0.18	0.15	0.077
4/2/2025	0.31								
4/3/2025		0.026	1.8	4.4	0.07			0.16	0.077
4/4/2025						0.098	0.15		
Mean	0.2886	0.02553	1.322	3.395	0.05544	0.1002	0.1659	0.3162	0.1376
Std. Dev.	0.05425	0.007606	0.3976	0.4995	0.01433	0.008942	0.01828	0.1479	0.08806
Upper Lim.	0.3185	0.03094	1.541	3.671	0.06738	0.11	0.1811	0.3846	0.24
Lower Lim.	0.2586	0.02124	1.103	3.12	0.04349	0.098	0.1507	0.2251	0.077

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.093				0.66	0.2		0.42
6/13/2018								0.45
6/14/2018	0.11				0.74	0.22		
7/23/2018						0.2		0.42
7/24/2018	0.093				0.72			
9/1/2018	0.1							
9/6/2018					0.79	0.22		0.45
10/2/2018	0.1				0.93	0.21		0.43
11/1/2018						0.21		0.43
11/2/2018	0.12				1.1			
12/6/2018	0.1				0.7	0.22		0.44
2/13/2019	0.1				0.59	0.23		0.44
4/5/2019				0.071 (D)				
4/15/2019				0.067				
5/2/2019				0.071				
5/14/2019				0.068				
5/29/2019				0.067 (J)				
6/12/2019				0.064 (J)				
6/19/2019				0.059 (J)				
6/25/2019				0.057 (J)				
8/8/2019								0.42
8/9/2019	0.11			0.058	0.76	0.2		
8/30/2019	0.086			0.052	0.56	0.2		0.42
3/17/2020	0.1			0.05	0.53	0.21		0.49
7/13/2020							0.192	
7/14/2020			0.107					
7/30/2020		0.0659						
11/9/2020	0.1	0.069				0.23		
11/10/2020			0.077		0.77		0.12	
11/20/2020				0.048				0.48
3/8/2021								0.47
3/9/2021	0.1	0.059		0.055	0.53	0.22	0.15	
3/10/2021			0.087					
10/11/2021		0.052						
10/12/2021	0.1				0.97		0.14	0.49
10/14/2021			0.1					
10/20/2021				0.048				
10/21/2021						0.23		
4/6/2022	0.11	0.053			0.61	0.24	0.12	0.52
4/7/2022			0.13	0.043 (J)				
10/18/2022					0.97	0.24	0.1	0.5
10/19/2022	0.1	0.053	0.073	0.044				
3/9/2023	0.11	0.043	0.15	0.046	0.65	0.3	0.1	
3/13/2023								0.55
10/20/2023	0.11	0.044	0.16	0.048	0.7	0.3	0.082	0.4
3/26/2024	0.097	0.041		0.042	0.58		0.075	
3/28/2024			0.19			0.23		0.64
10/16/2024								0.57
10/17/2024	0.1	0.036	0.19	0.043	0.92	0.26	0.074	
3/31/2025				0.048				
4/3/2025	0.1	0.036				0.22		0.6
4/4/2025			0.17		0.58			

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/10/2025							0.069	
Mean	0.1019	0.05017	0.1304	0.05471	0.7314	0.2281	0.1111	0.4776
Std. Dev.	0.007519	0.01129	0.04408	0.009915	0.1636	0.02839	0.03821	0.06557
Upper Lim.	0.106	0.05958	0.1671	0.06018	0.8217	0.24	0.1429	0.5138
Lower Lim.	0.09771	0.04077	0.09363	0.04924	0.6412	0.21	0.07925	0.4414

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-4	APMW-6R	APMW-7	APMW-8
4/24/2018				<0.0025	<0.0025	<0.0025			
4/25/2018	<0.0025							<0.0025	<0.0025
6/13/2018	<0.0025								
6/14/2018				<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
7/23/2018	<0.0025								<0.0025
7/24/2018				<0.0025	<0.0025	<0.0025		<0.0025	
9/1/2018	<0.0025			<0.0025	<0.0025	<0.0025			
9/6/2018								<0.0025	<0.0025
10/1/2018				<0.0025	<0.0025	<0.0025			
10/2/2018	<0.0025							<0.0025	<0.0025
11/1/2018	<0.0025								<0.0025
11/2/2018				<0.0025	<0.0025	<0.0025		<0.0025	
12/6/2018	<0.0025					<0.0025		<0.0025	<0.0025
12/7/2018				<0.0025	<0.0025				
2/13/2019	<0.0025			<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
3/16/2019			<0.0025						
3/27/2019			<0.0025						
4/3/2019			<0.0025						
4/5/2019							<0.0025 (D)		
4/15/2019			<0.0025				<0.0025		
5/2/2019			<0.0025				<0.0025		
5/14/2019			<0.0025				<0.0025		
5/28/2019			<0.0025						
5/29/2019							<0.0025		
6/12/2019			<0.0025				<0.0025		
6/19/2019							<0.0025		
6/25/2019							<0.0025		
8/8/2019	<0.0025		<0.0025	0.00061 (J)	<0.0025				
8/9/2019						<0.0025	<0.0025	<0.0025	<0.0025
8/30/2019	0.00043 (J)		0.00019 (J)	0.00023 (J)	0.00018 (J)	<0.0025	0.00036 (J)	0.00025 (J)	0.00038 (J)
3/16/2020			<0.0025	<0.0025	<0.0025	<0.0025			
3/17/2020	<0.0025						<0.0025	<0.0025	<0.0025
7/13/2020		<0.0025							
11/4/2020			<0.0025						
11/5/2020				<0.0025	<0.0025				
11/9/2020						<0.0025			<0.0025
11/10/2020								<0.0025	
11/20/2020	<0.0025	<0.0025					<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)	<0.0025	0.00018 (J)					
3/9/2021					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	<0.0025				<0.0025	
10/14/2021						<0.0025			
10/20/2021							<0.0025		
10/21/2021					<0.0025				<0.0025
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		<0.0025	<0.0025				
4/6/2022						<0.0025		<0.0025	<0.0025
4/7/2022							<0.0025		
10/17/2022			<0.0025	<0.0025					
10/18/2022	<0.0025	<0.0025			<0.0025			<0.0025	<0.0025
10/19/2022						<0.0025	<0.0025		
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-4	APMW-6R	APMW-7	APMW-8
3/9/2023							<0.0025	<0.0025	0.0003 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025			
10/20/2023							<0.0025	<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025							
3/25/2024			<0.0025	<0.0025	<0.0025				
3/26/2024						<0.0025	<0.0025	<0.0025	
3/28/2024									<0.0025
3/29/2024	<0.0025	<0.0025							
10/16/2024	<0.0025	<0.0025	<0.0025	0.00024 (J)					
10/17/2024					<0.0025	0.00024 (J)	<0.0025	<0.0025	<0.0025
3/31/2025							0.003 (J)		
4/2/2025	<0.0025								
4/3/2025		<0.0025	<0.0025	0.00032 (J)		<0.0025			<0.0025
4/4/2025					0.00021 (J)			<0.0025	
Mean	0.002319	0.002325	0.00239	0.001875	0.00228	0.002392	0.002422	0.002393	0.002294
Std. Dev.	0.0005754	0.0005819	0.0005041	0.001015	0.0006933	0.0004932	0.0004848	0.000491	0.0006498
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.003	0.0025	0.0025
Lower Lim.	0.00076	0.0025	0.00019	0.00032	0.00021	0.00024	0.00036	0.00025	0.00038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-9
4/25/2018	<0.0025
6/13/2018	<0.0025
7/23/2018	<0.0025
9/6/2018	<0.0025
10/2/2018	<0.0025
11/1/2018	<0.0025
12/6/2018	<0.0025
2/13/2019	<0.0025
8/8/2019	<0.0025
8/30/2019	0.00049 (J)
3/17/2020	<0.0025
11/20/2020	<0.0025
3/8/2021	0.00024 (J)
10/12/2021	<0.0025
4/6/2022	<0.0025
10/18/2022	<0.0025
3/13/2023	0.00027 (J)
10/20/2023	<0.0025
3/28/2024	<0.0025
10/16/2024	<0.0025
4/3/2025	<0.0025
Mean	0.00219
Std. Dev.	0.0007781
Upper Lim.	0.0025
Lower Lim.	0.00049

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
4/25/2018	<0.0025			
6/13/2018	<0.0025			
7/23/2018	<0.0025			
9/1/2018	<0.0025			
10/2/2018	<0.0025			
11/1/2018	<0.0025			
12/6/2018	<0.0025			
2/13/2019	<0.0025			
3/16/2019			<0.0025	
3/27/2019			<0.0025	
4/3/2019			<0.0025	
4/5/2019				<0.0025 (D)
4/15/2019			0.00045 (J)	<0.0025
5/2/2019			<0.0025	<0.0025
5/14/2019			<0.0025	<0.0025
5/28/2019			<0.0025	
5/29/2019				<0.0025
6/12/2019			<0.0025	<0.0025
6/19/2019				<0.0025
6/25/2019				<0.0025
8/8/2019	<0.0025		<0.0025	
8/9/2019				0.00014 (J)
8/30/2019	<0.0025		<0.0025	0.00026 (J)
3/16/2020			<0.0025	
3/17/2020	<0.0025			<0.0025
7/13/2020		<0.0025		
11/4/2020			<0.0025	
11/20/2020	<0.0025	<0.0025		<0.0025
3/8/2021	0.00025 (J)	0.00025 (J)	<0.0025	
3/9/2021				<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	
10/20/2021				<0.0025
4/4/2022			<0.0025	
4/5/2022	<0.0025	<0.0025		
4/7/2022				<0.0025
10/17/2022			<0.0025	
10/18/2022	<0.0025	<0.0025		
10/19/2022				<0.0025
3/8/2023			<0.0025	
3/9/2023				<0.0025
3/13/2023	<0.0025	<0.0025		
10/19/2023			<0.0025	
10/20/2023				<0.0025
10/21/2023	<0.0025	<0.0025		
3/25/2024			<0.0025	
3/26/2024				<0.0025
3/29/2024	<0.0025	<0.0025		
10/16/2024	<0.0025	<0.0025	<0.0025	
10/17/2024				0.00014 (J)
3/31/2025				0.00018 (J)
4/2/2025	<0.0025			
4/3/2025		<0.0025	0.00015 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
Mean	0.002393	0.002295	0.00229	0.002058
Std. Dev.	0.000491	0.0006784	0.0006634	0.0009338
Upper Lim.	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00025	0.0025	0.00045	0.00026

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
4/24/2018			<0.002	0.0016 (J)					
4/25/2018						0.0013 (J)		0.0014 (J)	<0.002
6/14/2018			<0.002	0.002 (J)		0.0012 (J)		0.0014 (J)	0.0032
7/23/2018									<0.002
7/24/2018			<0.002	0.0022 (J)		<0.002		0.0014 (J)	
9/1/2018			0.0014 (J)	0.0025		0.0024 (J)			
9/6/2018								0.0017 (J)	0.0014 (J)
10/1/2018			<0.002	0.0028					
10/2/2018						0.0015 (J)		0.0013 (J)	<0.002
11/1/2018									<0.002
11/2/2018			<0.002	0.0026		0.0014 (J)		0.0014 (J)	
12/6/2018				0.0012 (J)		<0.002		<0.002	<0.002
12/7/2018			<0.002						
2/13/2019			<0.002	0.0013 (J)		<0.002		<0.002	<0.002
3/16/2019	<0.002								
3/27/2019	<0.002								
4/3/2019	<0.002								
4/15/2019	<0.002								
5/2/2019	<0.002								
5/14/2019	<0.002								
5/28/2019	<0.002								
6/12/2019	0.0032								
8/8/2019	<0.002		<0.002						
8/9/2019				<0.002		<0.002		<0.002	<0.002
7/11/2020		0.00157 (J)							
7/14/2020					<0.002				
7/30/2020							0.00378		
11/4/2020	<0.002								
11/5/2020		<0.002	<0.002						
11/9/2020				<0.002	<0.002	<0.002	0.0019 (J)		<0.002
11/10/2020								<0.002	
3/8/2021	<0.002	<0.002							
3/9/2021			<0.002	<0.002	<0.002	<0.002	<0.002	0.0022	<0.002
10/11/2021							<0.002		
10/12/2021	<0.002	<0.002				<0.002		<0.002	
10/14/2021				<0.002	<0.002				
10/21/2021			<0.002						<0.002
4/4/2022	<0.002								
4/5/2022		<0.002	<0.002		<0.002				
4/6/2022				<0.002		<0.002	<0.002	<0.002	<0.002
10/17/2022	<0.002								
10/18/2022		<0.002	<0.002		<0.002			<0.002	<0.002
10/19/2022				0.0021		<0.002	<0.002		
3/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002				
3/9/2023						<0.002	<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002	0.0017 (J)	<0.002				
10/20/2023						0.0012 (J)	<0.002	<0.002	<0.002
3/25/2024	<0.002	<0.002	<0.002						
3/26/2024				<0.002	0.0066	<0.002	<0.002	<0.002	
3/28/2024									<0.002
10/16/2024	0.0012 (J)	<0.002							
10/17/2024			0.0014 (J)	0.0019 (J)	<0.002	<0.002	0.0012 (J)	0.0014 (J)	0.0012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
4/3/2025	<0.002	0.0024 (J)		0.0034 (J)	<0.002	<0.002	<0.002		0.0013 (J)
4/4/2025			<0.002					<0.002	
Mean	0.002021	0.001997	0.001937	0.002068	0.002418	0.001842	0.00208	0.0018	0.001953
Std. Dev.	0.0003392	0.0001857	0.0001892	0.0005034	0.001387	0.0003388	0.0006122	0.0003037	0.0004005
Upper Lim.	0.0032	0.002	0.002	0.002196	0.002	0.0024	0.002	0.002	0.0032
Lower Lim.	0.0012	0.002	0.0014	0.001547	0.002	0.0014	0.0019	0.0014	0.0014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018				0.0026		0.0033			
4/25/2018	<0.0025							<0.0025	
6/13/2018	<0.0025								
6/14/2018				0.0023 (J)		0.0032		<0.0025	
7/23/2018	<0.0025								
7/24/2018				0.0026		0.0036		<0.0025	
9/1/2018	<0.0025			0.0023 (J)		0.0039		<0.0025	
10/1/2018				0.0028		0.0029			
10/2/2018	<0.0025							<0.0025	
11/1/2018	<0.0025								
11/2/2018				0.0027		0.0034		<0.0025	
12/6/2018	<0.0025					0.0032		<0.0025	
12/7/2018				0.0028					
2/13/2019	<0.0025			0.0028		0.0043		<0.0025	
3/16/2019			0.00057 (J)						
3/27/2019			0.00044 (J)						
4/3/2019			0.0004 (J)						
4/15/2019			0.00042 (J)						
5/2/2019			<0.0025						
5/14/2019			0.00044 (J)						
5/28/2019			<0.0025						
6/12/2019			0.00037 (J)						
8/8/2019	0.00012 (J)		0.00017 (J)	0.0019					
8/9/2019						0.0034		7.5E-05 (J)	
8/30/2019	8.2E-05 (J)		0.00017 (J)	0.0025		0.0034		7.9E-05 (J)	
3/16/2020			<0.0025	0.0022		0.0039			
3/17/2020	<0.0025							<0.0025	
7/13/2020		<0.0025			<0.0025				
7/14/2020							0.00381		
7/30/2020									0.0011 (J)
11/4/2020			<0.0025						
11/5/2020				0.003					
11/9/2020					0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)
11/20/2020	<0.0025	<0.0025							
3/8/2021	0.00033 (J)	0.00028 (J)	<0.0025						
3/9/2021				0.0034	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)
10/11/2021					<0.0025				0.0003 (J)
10/12/2021	<0.0025	<0.0025	<0.0025					<0.0025	
10/14/2021						0.0032	0.0037		
10/21/2021				0.004					
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		0.0037	<0.0025		0.0055		
4/6/2022						0.0034		<0.0025	0.00033 (J)
10/17/2022			<0.0025						
10/18/2022	<0.0025	<0.0025		0.003	<0.0025		0.0056		
10/19/2022						0.0021 (J)		<0.0025	0.00027 (J)
3/8/2023			<0.0025	0.0023 (J)	<0.0025	0.003	0.0062		
3/9/2023								<0.0025	0.00034 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0023 (J)	<0.0025	0.0026 (J)	0.0072 (J)		
10/20/2023								<0.0025	0.00037 (J)
10/21/2023	<0.0025	<0.0025							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
3/25/2024			<0.0025	0.0025					
3/26/2024					<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)
3/29/2024	<0.0025	<0.0025							
10/16/2024	<0.0025	<0.0025	<0.0025						
10/17/2024				0.0021 (J)	<0.0025	0.0029 (J)	0.0093 (J)	<0.0025	0.00024 (J)
4/2/2025	<0.0025								
4/3/2025		<0.0025	<0.0025			0.0031 (J)	0.0089 (J)	<0.0025	0.00027 (J)
4/4/2025				0.0047 (J)	0.00034 (J)				
Mean	0.002168	0.002298	0.00169	0.002786	0.002095	0.003276	0.005765	0.002269	0.0004218
Std. Dev.	0.0008339	0.0006694	0.001062	0.0006792	0.0009005	0.0005594	0.002367	0.0007288	0.0002588
Upper Lim.	0.0025	0.0025	0.0025	0.00316	0.0025	0.003585	0.007737	0.0025	0.00071
Lower Lim.	0.00033	0.0025	0.00042	0.002411	0.00034	0.002968	0.003792	7.9E-05	0.00027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
4/25/2018			<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018			<0.0025		
7/23/2018					<0.0025
7/24/2018			<0.0025		
9/6/2018			0.00043 (J)		<0.0025
10/2/2018			<0.0025		<0.0025
11/1/2018					<0.0025
11/2/2018			<0.0025		
12/6/2018			<0.0025		<0.0025
2/13/2019			<0.0025		<0.0025
4/5/2019		0.0049 (D)			
4/15/2019		0.0045			
5/2/2019		0.0012 (J)			
5/14/2019		0.0024 (J)			
5/29/2019		0.0022 (J)			
6/12/2019		0.002 (J)			
6/19/2019		0.004 (J)			
6/25/2019		0.0014 (J)			
8/8/2019					8.4E-05 (J)
8/9/2019		0.0022	0.00025 (J)		
8/30/2019		0.0039	0.00023 (J)		8.9E-05 (J)
3/17/2020		0.0029	0.00024 (J)		<0.0025
7/13/2020				0.00121 (J)	
7/14/2020	<0.0025				
11/10/2020	<0.0025		0.00024 (J)	<0.0025	
11/20/2020		0.0024 (J)			<0.0025
3/8/2021					<0.0025
3/9/2021		0.0017 (J)	0.00025 (J)	<0.0025	
3/10/2021	0.00021 (J)				
10/12/2021			0.00028 (J)	<0.0025	<0.0025
10/14/2021	<0.0025				
10/20/2021		0.0032			
4/6/2022			<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	0.0028			
10/18/2022			0.00033 (J)	<0.0025	<0.0025
10/19/2022	<0.0025	0.0028			
3/9/2023	<0.0025	0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025
3/26/2024		0.0036	<0.0025	<0.0025	
3/28/2024	<0.0025				<0.0025
10/16/2024					<0.0025
10/17/2024	<0.0025	0.003 (J)	0.00025 (J)	<0.0025	
3/31/2025		0.018			
4/3/2025					<0.0025
4/4/2025	<0.0025		<0.0025		
4/10/2025				<0.0025	
Mean	0.002292	0.003557	0.001442	0.002383	0.00227
Std. Dev.	0.0006905	0.003445	0.001137	0.0003889	0.000726
Upper Lim.	0.0025	0.0039	0.0025	0.0025	0.0025
Lower Lim.	0.0025	0.0022	0.00025	0.0025	8.9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				21.8		5.84		2.4	
4/25/2018	2.66								
6/13/2018	2.91								
6/14/2018				20.9		6.37		2.5	
7/23/2018	3.49								
7/24/2018				19.2		7.22		3.01	
9/1/2018	3.15			17.5		5.46		2.3	
10/1/2018				19.9		8.54		3.49	
10/2/2018	3.38								
11/1/2018	2.19								
11/2/2018				17.4		6.02		1.94	
12/6/2018	2.69							2.68	
12/7/2018				18.5		6.26			
2/13/2019	2.97			19.2		6.67		2.05	
3/16/2019			5.87						
3/27/2019			6.56						
4/3/2019			7.03						
4/15/2019			6.75						
5/2/2019			6.82						
5/14/2019			6.96						
5/28/2019			4.12						
6/12/2019			8.8						
8/8/2019	2.16		7.52	18.7		6.41			
8/9/2019								2.09	
8/30/2019	2.19		7.98	16.5		5.45		1.24	
3/16/2020			10.6	18.8		6.5		1.71	
3/17/2020	2.94								
7/11/2020					0.179 (U)				
7/13/2020		0.272 (U)					0.857		
7/14/2020									9.33
11/4/2020			8.99						
11/5/2020				15.3	0.158 (U)	5.33			
11/9/2020							0.501	2	6.03
11/20/2020	3.47	-0.129 (U)							
3/8/2021	2.86	0.73	14.2	21.4	0.164 (U)				
3/9/2021						2.68	0.605	2.08	8.34
10/11/2021							1.6		
10/12/2021	3.57	0.769	12	20.6	-0.0129 (U)				
10/14/2021								2.56	8.45
10/21/2021						5.6			
4/4/2022			12.5						
4/5/2022	3.1	0.594		17.4	0.117 (U)	7.45	0.853		7.09
4/6/2022								1.71	
10/17/2022			14	19.1					
10/18/2022	4.61	0.815			1.7	6.3	1.07		8.32
10/19/2022								1.61	
3/8/2023			13.5	20.4	0.0718 (U)	5.77	0.636	1.78	9.4
3/13/2023	2.92	0.18 (U)							
10/19/2023			13.9	22.1	0.508	6.55	0.63	1.75	8.81
10/21/2023	4.21	0.491 (U)							
3/25/2024			14.7	19.9	0.851	6.85			
3/26/2024							0.794	1.66	8.72

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	2.5	0.463 (U)							
10/16/2024	3.21	0.505 (U)	13.7	17.9	0.305 (U)				
10/17/2024						6.34	0.94	1.32	7.75
4/2/2025	2.56								
4/3/2025		0.318 (U)	13.9	17.7	-0.271 (U)			1.38	7.59
4/4/2025						5.72	0.0669 (U)		
Mean	3.035	0.4553	10.02	19.06	0.3427	6.159	0.7775	2.06	8.166
Std. Dev.	0.6224	0.2821	3.447	1.783	0.5338	1.1	0.3813	0.5671	0.998
Upper Lim.	3.379	0.6904	11.92	20.04	0.7559	6.785	1.095	2.373	8.998
Lower Lim.	2.692	0.2202	8.118	18.07	0.0001274	5.668	0.4598	1.747	7.335

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	3.67				5.8	3.26		6.49
6/13/2018								6.43
6/14/2018	4.18				5.94	3.41		
7/23/2018						4.02		6.82
7/24/2018	4.95				6.56			
9/1/2018	4.44							
9/6/2018					7.39	3.86		7.4
10/2/2018	4.79				8.19	4.63		7.43
11/1/2018						3.37		6.67
11/2/2018	4				5.87			
12/6/2018	5.01				6.64	3.92		6.92
2/13/2019	4.53				6.19	3.66		6.91
4/5/2019				2.85				
4/15/2019				3.24				
5/2/2019				3				
5/14/2019				3.2				
5/29/2019				2.88				
6/12/2019				3.04				
6/19/2019				3.59				
6/25/2019				3.61				
8/8/2019								6.71
8/9/2019	3.81			3.14	6.86	3.52		
8/30/2019	2.82			2.52	6.63	3.96		7.32
3/17/2020	4.23			3.16	5.37	3.43		7.36
7/13/2020							0.898	
7/14/2020			0.591					
7/30/2020		0.29 (UD)						
11/9/2020	3.42	0.381 (U)				2.55		
11/10/2020			0.113 (U)		6.91		0.293 (U)	
11/20/2020				3.32				8.11
3/8/2021								9.26
3/9/2021	4.01	0.24 (U)		0.234 (U)	2.66	3.52	-0.149 (U)	
3/10/2021			0.186 (U)					
10/11/2021		0.194 (U)						
10/12/2021	3.74				7.77		1.07	8.92
10/14/2021			1.24					
10/20/2021				2.8				
10/21/2021						4.05		
4/6/2022	5.09	0.644			6.15	4.27	0.565	6.93
4/7/2022			0.752	3.12				
10/18/2022					9.51	5.83	1.12	9.03
10/19/2022	4.24	0.259 (U)	0.7	3.45				
3/9/2023	2.58	-0.134 (U)	0.833	2.37	4.77	5.27	0.353 (U)	
3/13/2023								7.57
10/20/2023	3.9	0.512 (U)	0.515	2.85	7.61	5.63	0.891	8.1
3/26/2024	5.3	1.09		3.49	7.47		0.801	
3/28/2024			1.01			5.47		9.04
10/16/2024								8.2
10/17/2024	3.79	0.64 (U)	1.31	2.8	8.96	9.23	1.15	
3/31/2025				3.83				
4/3/2025	2.98	-0.344 (U)				5.65		8.24
4/4/2025			1.2		6.58			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/10/2025							0.123 (U)	
Mean	4.07	0.3429	0.7682	2.976	6.659	4.405	0.6468	7.612
Std. Dev.	0.7413	0.3885	0.4042	0.7252	1.463	1.435	0.4392	0.9042
Upper Lim.	4.479	0.6666	1.105	3.327	7.466	5.015	1.013	8.111
Lower Lim.	3.662	0.0192	0.4313	2.765	5.852	3.627	0.2809	7.114

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.06 (J)		0.33		0.52	
4/25/2018	0.69								
6/13/2018	0.64								
6/14/2018				0.06 (J)		0.37		0.51	
7/23/2018	0.76								
7/24/2018				0.07 (J)		0.42		0.52	
9/1/2018	0.81			0.08 (J)		0.45		0.54	
10/1/2018				0.07 (J)		0.39		0.54	
10/2/2018	0.78								
11/1/2018	0.88								
11/2/2018				0.08 (J)		0.42		0.58	
12/6/2018	0.75							0.51	
12/7/2018				4.3 (o)		0.64			
2/13/2019	0.72			0.05 (J)		0.35		0.48	
3/16/2019			<0.2						
3/27/2019			<0.2						
4/3/2019			<0.2						
4/4/2019	0.63								
4/5/2019				0.14 (J)		0.7 (J)		0.31 (J)	
4/15/2019			0.14 (J)						
5/2/2019			0.13 (J)						
5/14/2019			<0.2						
5/28/2019			0.16 (J)						
6/12/2019			<0.2						
8/8/2019	0.58		0.21 (J)	0.19 (J)		0.8 (J)			
8/9/2019								0.51	
8/30/2019	0.5		0.21 (J)	0.17 (J)		<0.2		0.54 (J)	
3/16/2020			<0.2	<0.2		<0.2		<0.2	
3/17/2020	0.38								
7/11/2020					0.24				
7/13/2020		0.24					0.17		
7/14/2020									0.14
11/4/2020			<0.2						
11/5/2020				<0.2	0.15 (J)	<0.2			
11/9/2020							0.18 (J)	<0.2	<0.2
11/20/2020	0.81	0.13 (J)							
3/8/2021	0.66	0.23	<0.2	<0.2	0.2				
3/9/2021						0.87 (J)	0.18 (J)	0.55 (J)	<0.2
10/11/2021							0.14 (J)		
10/12/2021	0.66	0.22	0.27 (J)	0.22 (J)	0.18 (J)				
10/14/2021								0.5 (J)	<0.2
10/21/2021						<0.2			
4/4/2022			0.13 (J)						
4/5/2022	0.82	0.19 (J)		<0.2	0.21	<0.2	0.13 (J)		<0.2
4/6/2022								0.36 (J)	
10/17/2022			<0.2	<0.2					
10/18/2022	0.68	0.18 (J)			0.14 (J)	0.32 (J)	0.12 (J)		0.15 (J)
10/19/2022								0.29	
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)	0.14 (J)	0.25	0.074 (J)
3/13/2023	0.87	0.19 (J)							
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)	0.13 (J)	0.41	0.082 (J)
10/21/2023	0.58	0.16 (J)							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)			
3/26/2024							0.18 (J)	0.44 (J)	0.29 (J)
3/29/2024	0.75	0.22							
10/16/2024	0.66	0.21	0.15 (J)	0.13 (J)	0.16 (J)				
10/17/2024						0.38 (J)	0.15 (J)	0.37 (J)	0.3 (J)
4/2/2025	<0.2								
4/3/2025		0.16 (J)	<0.2	<0.2	0.14 (J)			0.31 (J)	<0.2
4/4/2025						<0.2	0.12 (J)		
Mean	0.6686	0.1936	0.1793	0.1367	0.1764	0.3814	0.1491	0.42	0.1851
Std. Dev.	0.1744	0.03414	0.04161	0.06376	0.03202	0.2043	0.02427	0.1417	0.0718
Upper Lim.	0.7599	0.2221	0.1603	0.2	0.203	0.444	0.1693	0.4998	0.2091
Lower Lim.	0.6122	0.1652	0.114	0.07	0.1497	0.2421	0.1289	0.376	0.08059

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.09 (J)				0.11	1		0.06 (J)
6/13/2018								0.06 (J)
6/14/2018	0.09 (J)				0.12	1		
7/23/2018						1		0.06 (J)
7/24/2018	0.09 (J)				0.12			
9/1/2018	0.1							
9/6/2018					0.13	1.1		0.06 (J)
10/2/2018	0.09 (J)				0.13	1		0.07 (J)
11/1/2018						1.1		0.07 (J)
11/2/2018	0.11				0.14			
12/6/2018	1.4				0.13	0.98		0.21
2/13/2019	0.07 (J)				0.1	0.98		0.07 (J)
4/4/2019	<0.2				<0.2	0.58 (J)		<0.2
4/5/2019				<0.2 (D)				
4/15/2019				<0.2				
5/2/2019				<0.2				
5/14/2019				<0.2				
5/29/2019				<0.2				
6/12/2019				<0.2				
6/19/2019				<0.2				
6/25/2019				0.32 (J)				
8/8/2019								0.2 (J)
8/9/2019	<0.2			<0.2	0.22 (J)	0.9 (J)		
8/30/2019	<0.2			0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2			<0.2	1.6	0.52 (J)		<0.2
7/13/2020							0.15	
7/14/2020			0.22					
7/30/2020		0.17						
11/9/2020	<0.2	0.17 (J)				0.74 (J)		
11/10/2020			0.21		<0.2		0.22	
11/20/2020				<0.2				<0.2
3/8/2021								<0.2
3/9/2021	<0.2	0.17 (J)		<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
3/10/2021			0.18 (J)					
10/11/2021		0.18 (J)						
10/12/2021	<0.2				<0.2		0.15 (J)	<0.2
10/14/2021			0.19 (J)					
10/20/2021				0.29 (J)				
10/21/2021						1 (J)		
4/6/2022	<0.2	0.27			1.2 (J)	16 (o)	0.14 (J)	0.82 (J)
4/7/2022			0.2	6.4 (o)				
10/18/2022					0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.065 (J)	0.12 (J)	0.15 (J)	0.22				
3/9/2023	0.12 (J)	0.077 (J)	0.08 (J)	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023								0.081 (J)
10/20/2023	<0.2	0.13 (J)	0.15 (J)	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
3/26/2024	0.28 (J)	0.15 (J)		<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.2			0.97 (J)		0.13 (J)
10/16/2024								0.14 (J)
10/17/2024	0.27 (J)	0.15 (J)	0.17 (J)	0.14 (J)	0.17 (J)	0.82 (J)	0.096 (J)	
3/31/2025				<0.2				
4/3/2025	<0.2	0.12 (J)				0.47 (J)		<0.2

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/4/2025			0.15 (J)		<0.2			
4/10/2025							0.12 (J)	
Mean	0.217	0.1552	0.1727	0.2075	0.2736	0.8633	0.1269	0.1667
Std. Dev.	0.2719	0.04872	0.03952	0.04494	0.3774	0.1988	0.0447	0.1593
Upper Lim.	0.27	0.1958	0.2057	0.22	0.22	0.973	0.1642	0.2
Lower Lim.	0.09	0.1146	0.1398	0.14	0.12	0.7536	0.08966	0.07

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5
4/24/2018				<0.001		<0.001	<0.001		
4/25/2018	<0.001								<0.001
6/13/2018	<0.001								
6/14/2018				<0.001		<0.001	<0.001		<0.001
7/23/2018	<0.001								
7/24/2018				<0.001		<0.001	<0.001		<0.001
9/1/2018	<0.001			<0.001		<0.001	<0.001		<0.001
10/1/2018				<0.001		<0.001	<0.001		
10/2/2018	<0.001								<0.001
11/1/2018	0.0011 (J)								
11/2/2018				<0.001		0.00048 (J)	0.00062 (J)		0.0011 (J)
12/6/2018	0.0006 (J)						<0.001		0.00041 (J)
12/7/2018				<0.001		<0.001			
2/13/2019	<0.001			<0.001		<0.001	<0.001		0.00036 (J)
3/16/2019			<0.001						
3/27/2019			<0.001						
4/3/2019			<0.001						
4/15/2019			<0.001						
5/2/2019			<0.001						
5/14/2019			<0.001						
5/28/2019			<0.001						
6/12/2019			<0.001						
8/8/2019	<0.001		<0.001	<0.001		<0.001			
8/9/2019							<0.001		<0.001
8/30/2019	<0.001		<0.001	<0.001		<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001	<0.001		
3/17/2020	<0.001								<0.001
7/11/2020					0.000555 (J)				
7/13/2020		0.00116 (J)							
7/14/2020								<0.001	
11/4/2020			<0.001						
11/5/2020				<0.001	0.00024 (J)	<0.001			
11/9/2020							<0.001	<0.001	<0.001
11/20/2020	<0.001	0.00089 (J)							
3/8/2021	0.00016 (J)	0.00086 (J)	<0.001	<0.001	0.00016 (J)				
3/9/2021						<0.001	<0.001	<0.001	<0.001
10/12/2021	<0.001	0.00063 (J)	<0.001	<0.001	0.0002 (J)				<0.001
10/14/2021							<0.001	<0.001	
10/21/2021						<0.001			
4/4/2022			<0.001						
4/5/2022	0.00019 (J)	0.00058 (J)		0.00022 (J)	0.00045 (J)	0.00043 (J)		0.00029 (J)	
4/6/2022							<0.001		<0.001
10/17/2022			<0.001	<0.001					
10/18/2022	<0.001	0.00045 (J)			<0.001	<0.001		<0.001	
10/19/2022							<0.001		<0.001
3/8/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2023									<0.001
3/13/2023	<0.001	<0.001							
10/19/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
10/20/2023									<0.001
10/21/2023	<0.001	0.0003 (J)							
3/25/2024			<0.001	<0.001	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5
3/26/2024							<0.001	<0.001	<0.001
3/29/2024	<0.001	<0.001							
10/16/2024	<0.001	<0.001	<0.001	<0.001	<0.001				
10/17/2024						<0.001	<0.001	<0.001	<0.001
4/2/2025	<0.001								
4/3/2025		<0.001	0.0012 (J)	<0.001	<0.001		<0.001	<0.001	<0.001
4/4/2025						<0.001			
Mean	0.0009071	0.0008064	0.00101	0.0009629	0.0006914	0.0009481	0.0009819	0.0009355	0.0009462
Std. Dev.	0.0002599	0.000274	4.364E-05	0.0001702	0.0003709	0.0001641	8.292E-05	0.0002141	0.000188
Upper Lim.	0.0011	0.0008787	0.0012	0.001	0.001	0.001	0.001	0.001	0.0011
Lower Lim.	0.0006	0.0004565	0.001	0.00022	0.0002	0.00048	0.00062	0.001	0.00041

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5D	APMW-6R	APMW-7	APMW-8	APMW-9
4/25/2018			<0.001	<0.001	<0.001
6/13/2018					<0.001
6/14/2018			<0.001	<0.001	
7/23/2018				<0.001	<0.001
7/24/2018			<0.001		
9/6/2018			<0.001	<0.001	<0.001
10/2/2018			<0.001	<0.001	<0.001
11/1/2018				0.0016	<0.001
11/2/2018			0.0019		
12/6/2018			<0.001	0.0013	0.00039 (J)
2/13/2019			<0.001	<0.001	<0.001
4/5/2019		<0.001 (D)			
4/15/2019		<0.001			
5/2/2019		<0.001			
5/14/2019		<0.001			
5/29/2019		<0.001			
6/12/2019		<0.001			
6/19/2019		<0.001			
6/25/2019		<0.001			
8/8/2019					0.00013 (J)
8/9/2019		<0.001	<0.001	<0.001	
8/30/2019		0.00032 (J)	<0.001	<0.001	<0.001
3/17/2020		<0.001	<0.001	<0.001	<0.001
7/30/2020	0.00203				
11/9/2020	0.00099 (J)			<0.001	
11/10/2020			<0.001		
11/20/2020		<0.001			<0.001
3/8/2021					<0.001
3/9/2021	0.00026 (J)	<0.001	<0.001	<0.001	
10/11/2021	0.00019 (J)				
10/12/2021			<0.001		<0.001
10/20/2021		<0.001			
10/21/2021				<0.001	
4/6/2022	0.00026 (J)		<0.001	<0.001	<0.001
4/7/2022		<0.001			
10/18/2022			<0.001	<0.001	<0.001
10/19/2022	0.00018 (J)	<0.001			
3/9/2023	<0.001	<0.001	<0.001	0.00075 (J)	
3/13/2023					<0.001
10/20/2023	0.0003 (J)	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001	<0.001		
3/28/2024				<0.001	<0.001
10/16/2024					<0.001
10/17/2024	<0.001	<0.001	<0.001	<0.001	
3/31/2025		0.00035 (J)			
4/3/2025	<0.001			<0.001	<0.001
4/4/2025			<0.001		
Mean	0.0007464	0.0009367	0.001043	0.001031	0.0009295
Std. Dev.	0.0005716	0.0002001	0.0001964	0.0001569	0.0002264
Upper Lim.	0.001	0.001	0.0019	0.0013	0.001
Lower Lim.	0.00019	0.00035	0.001	0.00075	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.029		0.11		0.079	
4/25/2018	0.021								
6/13/2018	0.013								
6/14/2018				0.023		0.073		0.055	
7/23/2018	0.015								
7/24/2018				0.023		0.079		0.057	
9/1/2018	0.015			0.022		0.088		0.054	
10/1/2018				0.026		0.091		0.063	
10/2/2018	0.017								
11/1/2018	0.038								
11/2/2018				0.024 (J)		0.081		0.077	
12/6/2018	0.011							0.054	
12/7/2018				0.022		0.072			
2/13/2019	0.012			0.02		0.071		0.053	
3/16/2019			0.013						
3/27/2019			0.014						
4/3/2019			0.01						
4/15/2019			0.012						
5/2/2019			0.013						
5/14/2019			0.011						
5/28/2019			<0.005						
6/12/2019			0.012						
8/8/2019	0.018		0.012	0.031		0.076			
8/9/2019								0.061	
8/30/2019	0.01		0.011	0.022		0.072		0.052	
3/16/2020			0.013	0.03		0.07		0.053	
3/17/2020	0.017								
7/11/2020					0.0103				
7/13/2020		0.0136					0.00778		
7/14/2020									0.0522
11/4/2020			0.014						
11/5/2020				0.031	0.01	0.07			
11/9/2020							0.006	0.049	0.043
11/20/2020	0.013	0.011							
3/8/2021	0.01	0.022	0.013	0.03	0.0091				
3/9/2021						0.075	0.0098	0.051	0.044
10/11/2021							0.02		
10/12/2021	0.0056	0.019	0.014	0.028	0.0079				
10/14/2021								0.052	0.11
10/21/2021						0.0665 (D)			
4/4/2022			0.023 (J)						
4/5/2022	0.012	0.012		0.037	0.01	0.081	0.014		0.073
4/6/2022								0.046	
10/17/2022			0.016	0.032					
10/18/2022	0.01	0.012			0.011	0.056	0.016		0.068
10/19/2022								0.049	
3/8/2023			0.019	0.036	0.011	0.077	0.012	0.041	0.072
3/13/2023	0.01	<0.005							
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072	0.012 (J)	0.039	0.074
10/21/2023	0.013 (J)	0.012 (J)							
3/25/2024			0.017	0.037	0.0096	0.076			
3/26/2024							0.014	0.042	0.072

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
3/29/2024	0.0083	0.012							
10/16/2024	0.008 (J)	0.012 (J)	0.029	0.039	0.009 (J)				
10/17/2024						0.067	0.021 (J)	0.056	0.065
4/2/2025	0.0042 (J)								
4/3/2025		0.0082 (J)	0.013 (J)	0.031	0.0064 (J)			0.033	0.056
4/4/2025						0.095	0.011 (J)		
Mean	0.01339	0.01239	0.01426	0.02905	0.009573	0.07707	0.01305	0.05314	0.06629
Std. Dev.	0.006972	0.005055	0.005205	0.005912	0.001429	0.01151	0.004653	0.01094	0.01852
Upper Lim.	0.01627	0.0166	0.01713	0.03231	0.01076	0.08342	0.01693	0.05918	0.08172
Lower Lim.	0.009562	0.008178	0.01139	0.02579	0.008382	0.07072	0.009176	0.04711	0.05086

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018	0.069				0.004 (J)	0.13		0.0039 (J)
6/13/2018								0.0027 (J)
6/14/2018	0.046				0.0026 (J)	0.085		
7/23/2018						0.09		0.0041 (J)
7/24/2018	0.049				0.003 (J)			
9/1/2018	0.045							
9/6/2018					0.0029 (J)	0.099		0.0035 (J)
10/2/2018	0.052				0.0021 (J)	0.095		0.004 (J)
11/1/2018						0.16		0.018
11/2/2018	0.074				0.014			
12/6/2018	0.044				<0.005	0.082		<0.005
2/13/2019	0.045				0.0018 (J)	0.08		0.0026 (J)
4/5/2019				0.051 (D)				
4/15/2019				0.054				
5/2/2019				0.055				
5/14/2019				0.047				
5/29/2019				0.055				
6/12/2019				0.062				
6/19/2019				0.059				
6/25/2019				0.052				
8/8/2019								0.0053
8/9/2019	0.049			0.063	<0.005	0.086		
8/30/2019	0.044			0.059	<0.005	0.068		<0.005
3/17/2020	0.044			0.056	0.0071	0.08		0.0077
7/13/2020							<0.005	
7/14/2020			0.00696					
7/30/2020		0.00791						
11/9/2020	0.044	0.0076				0.08		
11/10/2020			0.0063		0.0048 (J)		0.0044 (J)	
11/20/2020				0.055				0.0035 (J)
3/8/2021								0.0045 (J)
3/9/2021	0.048	0.0099		0.057	0.004 (J)	0.073	0.005	
3/10/2021			0.0059					
10/11/2021		0.0075						
10/12/2021	0.039				0.0036 (J)		<0.005	<0.005
10/14/2021			0.0061					
10/20/2021				0.0535 (D)				
10/21/2021						0.0735 (D)		
4/6/2022	0.046	0.0088			0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022			0.011	0.057				
10/18/2022					0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.035	0.0077	0.0069	0.05				
3/9/2023	0.04	0.0085	0.01	0.054	0.0071	0.067	0.0071	
3/13/2023								0.0053
10/20/2023	0.039	0.0064 (J)	0.0079 (J)	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
3/26/2024	0.036	0.0076		0.058	0.0058		0.0049 (J)	
3/28/2024			0.012			0.076		0.0031 (J)
10/16/2024								0.0023 (J)
10/17/2024	0.048	0.0062 (J)	0.022 (J)	0.054	0.004 (J)	0.065	0.013 (J)	
3/31/2025				0.057				
4/3/2025	0.026	0.0048 (J)				0.048		<0.005
4/4/2025			0.009 (J)		0.023 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/10/2025							0.01 (J)	
Mean	0.04581	0.007537	0.00946	0.05545	0.00519	0.0835	0.005727	0.0051
Std. Dev.	0.01036	0.001373	0.004645	0.003761	0.004871	0.02374	0.003202	0.003314
Upper Lim.	0.05096	0.008681	0.0121	0.05753	0.005783	0.09275	0.00759	0.005267
Lower Lim.	0.03995	0.006393	0.0063	0.05338	0.002932	0.07057	0.002838	0.003131

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-1R	APMW-5	APMW-7	APMW-8	APMW-9
4/25/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002					<0.0002
6/14/2018			<0.0002	<0.0002	<0.0002	
7/23/2018	<0.0002				<0.0002	<0.0002
7/24/2018			<0.0002	<0.0002		
9/1/2018	8.5E-05 (J)		9.3E-05 (J)			
9/6/2018				9E-05 (J)	7.7E-05 (J)	0.00035
10/2/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
11/1/2018	<0.0002				<0.0002	<0.0002
11/2/2018			<0.0002	<0.0002		
12/6/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/13/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/16/2019		<0.0002				
3/27/2019		<0.0002				
4/3/2019		<0.0002				
4/15/2019		0.00015 (J)				
5/2/2019		<0.0002				
5/14/2019		<0.0002				
5/28/2019		<0.0002				
6/12/2019		<0.0002				
8/8/2019	<0.0002	<0.0002				<0.0002
8/9/2019			<0.0002	<0.0002	<0.0002	
11/4/2020		<0.0002				
11/9/2020			<0.0002		<0.0002	
11/10/2020				<0.0002		
11/20/2020	<0.0002					<0.0002
3/8/2021	<0.0002	<0.0002				<0.0002
3/9/2021			<0.0002	<0.0002	<0.0002	
10/12/2021	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/21/2021					<0.0002	
4/4/2022		<0.0002				
4/5/2022	<0.0002					
4/6/2022			<0.0002	<0.0002	<0.0002	<0.0002
10/17/2022		<0.0002				
10/18/2022	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2022			<0.0002			
3/8/2023		<0.0002				
3/9/2023			<0.0002	<0.0002	<0.0002	
3/13/2023	<0.0002					<0.0002
10/19/2023		<0.0002				
10/20/2023			<0.0002	<0.0002	<0.0002	<0.0002
10/21/2023	<0.0002					
3/25/2024		<0.0002				
3/26/2024			<0.0002	<0.0002		
3/28/2024					<0.0002	<0.0002
3/29/2024	<0.0002					
10/16/2024	<0.0002	<0.0002				<0.0002
10/17/2024			<0.0002	<0.0002	<0.0002	
4/2/2025	<0.0002					
4/3/2025		<0.0002	<0.0002		<0.0002	<0.0002
4/4/2025				<0.0002		
Mean	0.0001939	0.0001974	0.0001944	0.0001942	0.0001935	0.0002079

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-1R	APMW-5	APMW-7	APMW-8	APMW-9
Std. Dev.	2.638E-05	1.147E-05	2.455E-05	2.524E-05	2.822E-05	3.441E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.00035
Lower Lim.	8.5E-05	0.00015	9.3E-05	9E-05	7.7E-05	0.0002

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
4/24/2018			<0.015		0.073		0.011 (J)		
4/25/2018	0.11								0.056
6/13/2018	0.09								
6/14/2018			<0.015		0.068		0.0083 (J)		0.048
7/23/2018	0.11								
7/24/2018			<0.015		0.065		0.0075 (J)		0.078
9/1/2018	0.11		<0.015		0.05		0.0082 (J)		0.081
10/1/2018			<0.015		0.061		0.0088 (J)		
10/2/2018	0.1								0.07
11/1/2018	0.11								
11/2/2018			<0.015		0.062		0.0083 (J)		0.1
12/6/2018	0.1						0.0093 (J)		0.069
12/7/2018			<0.015		0.062				
2/13/2019	0.085		<0.015		0.061		0.0093 (J)		0.1
8/8/2019	0.11		0.00079 (J)		0.073				
8/9/2019							0.012		0.15
8/30/2019	0.078		<0.015		0.065		0.011		0.088
3/16/2020			<0.015		0.072		0.01		
3/17/2020	0.081								0.079
7/11/2020				0.00558 (J)					
7/13/2020		0.00884 (J)				<0.015			
7/14/2020								0.257	
11/5/2020			<0.015	0.0038 (J)	0.067				
11/9/2020						0.0022 (J)	0.0084 (J)	0.35	0.11
11/20/2020	0.059	0.017							
3/8/2021	0.055	0.0096 (J)	<0.015	0.0018 (J)					
3/9/2021					0.076	0.0012 (J)	0.0059 (J)	0.37	0.072
10/11/2021						<0.015			
10/12/2021	0.033	0.0099 (J)	<0.015	0.0011 (J)					0.074
10/14/2021							0.0042 (J)	0.23	
10/21/2021					0.0705 (D)				
4/5/2022	0.043	0.0058 (J)	<0.015	0.0011 (J)	0.071	0.0007 (J)		0.25	
4/6/2022							0.005 (J)		0.074
10/17/2022			<0.015						
10/18/2022	0.03	0.0033 (J)		0.0016 (J)	0.05	0.00072 (J)		0.18	
10/19/2022							0.0043 (J)		0.039
3/8/2023			<0.015	0.0011 (J)	0.064	0.00074 (J)	0.0042 (J)	0.2	
3/9/2023									0.15
3/13/2023	0.033	<0.015							
10/19/2023			<0.015	0.0013 (J)	0.076	0.00096 (J)	0.0047 (J)	0.18	
10/20/2023									0.18
10/21/2023	0.037 (J)	0.0031 (J)							
3/25/2024			<0.015	0.00099 (J)	0.055				
3/26/2024						0.00078 (J)	0.0029 (J)	0.16	0.17
3/29/2024	0.027	0.0027 (J)							
10/16/2024	0.023 (J)	0.0027 (J)	<0.015	0.0012 (J)					
10/17/2024					0.049 (J)	<0.015	0.0031 (J)	0.16	0.23
4/2/2025	0.022 (J)								
4/3/2025		0.0026 (J)	<0.015	0.0011 (J)			0.0025 (J)	0.15	0.21
4/4/2025					0.052 (J)	0.00093 (J)			
Mean	0.06886	0.00664	0.01432	0.001879	0.06393	0.004839	0.00709	0.2261	0.1061
Std. Dev.	0.03424	0.004517	0.003101	0.001466	0.008661	0.006539	0.002936	0.07554	0.05404

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
Upper Lim.	0.1	0.009895	0.015	0.0038	0.06871	0.015	0.00871	0.289	0.1359
Lower Lim.	0.033	0.003087	0.00079	0.0011	0.05915	0.00072	0.005471	0.1631	0.07628

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018				0.00096 (J)	0.18		<0.015
6/13/2018							<0.015
6/14/2018				0.0062 (J)	0.17		
7/23/2018					0.17		<0.015
7/24/2018				0.0063 (J)			
9/6/2018				<0.015	0.15		<0.015
10/2/2018				<0.015	0.15		0.0009 (J)
11/1/2018					0.16		<0.015
11/2/2018				0.0066 (J)			
12/6/2018				0.0062 (J)	0.14		<0.015
2/13/2019				0.0047 (J)	0.13		<0.015
4/5/2019			0.41 (D)				
4/15/2019			0.4				
5/2/2019			0.3				
5/14/2019			0.36				
5/29/2019			0.4				
6/12/2019			0.34				
6/19/2019			0.41				
6/25/2019			0.37				
8/8/2019							<0.015
8/9/2019			0.48	<0.015	0.12		
8/30/2019			0.42	<0.015	0.11		0.00093 (J)
3/17/2020			0.47	<0.015	0.094		<0.015
7/13/2020						<0.015	
7/14/2020		<0.015					
7/30/2020	<0.015						
11/9/2020	0.0012 (J)				0.072		
11/10/2020		0.00081 (J)		<0.015		0.00067 (J)	
11/20/2020			0.42				<0.015
3/8/2021							<0.015
3/9/2021	0.00091 (J)		0.48	<0.015	0.069	<0.015	
3/10/2021		0.0011 (J)					
10/11/2021	0.0008 (J)						
10/12/2021				<0.015		<0.015	<0.015
10/14/2021		0.0012 (J)					
10/20/2021			0.45 (D)				
10/21/2021					0.056 (D)		
4/6/2022	0.00078 (J)			<0.015	0.053	0.0011 (J)	<0.015
4/7/2022		0.00098 (J)	0.5				
10/18/2022				<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.0014 (J)	0.0019 (J)	0.44				
3/9/2023	0.00085 (J)	0.0017 (J)	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023							<0.015
10/20/2023	0.0012 (J)	0.0023 (J)	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
3/26/2024	0.0011 (J)		0.7	<0.015		0.00086 (J)	
3/28/2024		0.0023 (J)			0.14		<0.015
10/16/2024							0.0011 (J)
10/17/2024	0.0012 (J)	0.0029 (J)	1.2	<0.015	0.21	0.0012 (J)	
3/31/2025			0.099				
4/3/2025	0.0011 (J)				0.21		<0.015
4/4/2025		0.0023 (J)		<0.015			
4/10/2025						0.00088 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
Mean	0.00164	0.002272	0.4714	0.01152	0.1215	0.004806	0.013
Std. Dev.	0.001954	0.001858	0.2083	0.005237	0.05495	0.006549	0.005028
Upper Lim.	0.0014	0.003306	0.5	0.015	0.1518	0.015	0.015
Lower Lim.	0.0008	0.001057	0.37	0.0062	0.09116	0.00086	0.0011

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-6R	APMW-7	APMW-8
4/24/2018		<0.005	0.0016		0.00055 (J)				
4/25/2018	0.00061 (J)					0.00071 (J)		0.00046 (J)	0.00042 (J)
6/13/2018	0.00034 (J)								
6/14/2018		0.00061 (J)	0.0019		0.00068 (J)	0.0006 (J)		0.00039 (J)	0.00049 (J)
7/23/2018	0.00035 (J)								0.0006 (J)
7/24/2018		0.00037 (J)	0.00087 (J)		0.00036 (J)	0.0006 (J)		0.00036 (J)	
9/1/2018	<0.005	<0.005	0.001 (J)		<0.005	<0.005			
9/6/2018								<0.005	<0.005
10/1/2018		<0.005	<0.005		<0.005				
10/2/2018	<0.005					<0.005		<0.005	<0.005
11/1/2018	<0.005								<0.005
11/2/2018		0.00072 (J)	0.001 (J)		<0.005	<0.005		<0.005	
12/6/2018	<0.005				<0.005	<0.005		<0.005	<0.005
12/7/2018		<0.005	0.0011 (J)						
2/13/2019	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005
4/5/2019							<0.005 (D)		
4/15/2019							<0.005		
5/2/2019							<0.005		
5/14/2019							<0.005		
5/29/2019							<0.005		
6/12/2019							<0.005		
6/19/2019							<0.005		
6/25/2019							<0.005		
8/8/2019	<0.005	<0.005	0.0017 (J)						
8/9/2019					<0.005	<0.005	<0.005	<0.005	<0.005
8/30/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2020		<0.005	<0.005		<0.005				
3/17/2020	<0.005					<0.005	<0.005	<0.005	<0.005
7/13/2020				<0.005					
11/5/2020		<0.005	<0.005						
11/9/2020				<0.005	<0.005	<0.005			<0.005
11/10/2020								<0.005	
11/20/2020	<0.005						<0.005		
3/8/2021	<0.005	<0.005							
3/9/2021			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/11/2021				<0.005					
10/12/2021	<0.005	<0.005				<0.005		<0.005	
10/14/2021					<0.005				
10/20/2021							<0.005		
10/21/2021			<0.005						<0.005
4/5/2022	<0.005	<0.005	<0.005	<0.005					
4/6/2022					<0.005	<0.005		<0.005	<0.005
4/7/2022							<0.005		
10/17/2022		<0.005							
10/18/2022	<0.005		<0.005	<0.005				<0.005	<0.005
10/19/2022					<0.005	<0.005	<0.005		
3/8/2023		<0.005	0.0014 (J)	0.0012 (J)	<0.005				
3/9/2023						0.0016 (J)	<0.005	<0.005	0.00076 (J)
3/13/2023	<0.005								
10/19/2023		<0.005	<0.005	<0.005	<0.005				
10/20/2023						<0.005	<0.005	<0.005	<0.005
10/21/2023	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-6R	APMW-7	APMW-8
3/25/2024		<0.005	<0.005						
3/26/2024				<0.005	<0.005	<0.005	<0.005	<0.005	
3/28/2024									<0.005
3/29/2024	<0.005								
10/16/2024	<0.005	<0.005							
10/17/2024			0.0029 (J)	<0.005	<0.005	<0.005	0.0015 (J)	0.0019 (J)	0.0017 (J)
3/31/2025							0.0016 (J)		
4/2/2025	<0.005								
4/3/2025		<0.005			<0.005	<0.005			<0.005
4/4/2025			0.0019 (J)	<0.005				<0.005	
Mean	0.004348	0.004367	0.003351	0.004655	0.004361	0.004215	0.004671	0.004196	0.003999
Std. Dev.	0.001638	0.001591	0.001819	0.001146	0.001604	0.001669	0.001038	0.001724	0.00185
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00061	0.00072	0.0014	0.005	0.00068	0.0016	0.0016	0.0019	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-9
4/25/2018	0.00081 (J)
6/13/2018	0.00027 (J)
7/23/2018	0.00041 (J)
9/6/2018	<0.005
10/2/2018	<0.005
11/1/2018	<0.005
12/6/2018	<0.005
2/13/2019	<0.005
8/8/2019	<0.005
8/30/2019	<0.005
3/17/2020	<0.005
11/20/2020	<0.005
3/8/2021	<0.005
10/12/2021	<0.005
4/6/2022	<0.005
10/18/2022	<0.005
3/13/2023	0.0012 (J)
10/20/2023	<0.005
3/28/2024	<0.005
10/16/2024	0.0019 (J)
4/3/2025	<0.005
Mean	0.004028
Std. Dev.	0.001806
Upper Lim.	0.005
Lower Lim.	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
4/24/2018				<0.001	0.00012 (J)		
4/25/2018	<0.001					<0.001	<0.001
6/13/2018	<0.001						<0.001
6/14/2018				<0.001	<0.001	<0.001	
7/23/2018	<0.001					<0.001	<0.001
7/24/2018				<0.001	<0.001		
9/1/2018	<0.001			<0.001	<0.001		
9/6/2018						<0.001	<0.001
10/1/2018				<0.001	<0.001		
10/2/2018	<0.001					<0.001	<0.001
11/1/2018	<0.001					<0.001	<0.001
11/2/2018				<0.001	<0.001		
12/6/2018	<0.001					<0.001	<0.001
12/7/2018				<0.001	<0.001		
2/13/2019	<0.001			<0.001	<0.001	<0.001	<0.001
3/16/2019			<0.001				
3/27/2019			<0.001				
4/3/2019			<0.001				
4/15/2019			<0.001				
5/2/2019			<0.001				
5/14/2019			<0.001				
5/28/2019			<0.001				
6/12/2019			<0.001				
8/8/2019	0.00015 (J)		<0.001	0.00084 (J)	<0.001		<0.001
8/9/2019						0.00025 (J)	
8/30/2019	0.00058 (J)		<0.001	<0.001	<0.001	0.0013	0.0016
3/16/2020			<0.001	<0.001	<0.001		
3/17/2020	<0.001					<0.001	<0.001
7/13/2020		<0.001					
11/4/2020			0.00019 (J)				
11/5/2020				<0.001	<0.001		
11/9/2020						<0.001	
11/20/2020	<0.001	<0.001					<0.001
3/8/2021	0.00068 (J)	0.00057 (J)	<0.001	<0.001			0.00024 (J)
3/9/2021					<0.001	0.00017 (J)	
10/12/2021	<0.001	<0.001	<0.001	<0.001			<0.001
10/21/2021					<0.001	<0.001	
4/4/2022			<0.001				
4/5/2022	<0.001	<0.001		<0.001	<0.001		
4/6/2022						<0.001	<0.001
10/17/2022			<0.001	<0.001			
10/18/2022	<0.001	<0.001			<0.001	<0.001	<0.001
3/8/2023			<0.001	<0.001	<0.001		
3/9/2023						<0.001	
3/13/2023	<0.001	<0.001					<0.001
10/19/2023			<0.001	<0.001	<0.001		
10/20/2023						<0.001	<0.001
10/21/2023	<0.001	<0.001					
3/25/2024			<0.001	<0.001	<0.001		
3/28/2024						<0.001	<0.001
3/29/2024	<0.001	<0.001					
10/16/2024	<0.001	<0.001	<0.001	<0.001			<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/16/2025 2:20 PM View: Appendix IV - Confidence Intervals

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
10/17/2024					<0.001	<0.001	
4/2/2025	<0.001						
4/3/2025		<0.001	<0.001	<0.001		<0.001	<0.001
4/4/2025					<0.001		
Mean	0.0009243	0.0009609	0.0009614	0.0009924	0.0009581	0.000939	0.0009924
Std. Dev.	0.0002099	0.0001296	0.0001768	3.491E-05	0.000192	0.0002513	0.0002164
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0013	0.0016
Lower Lim.	0.00068	0.001	0.00019	0.00084	0.00012	0.00025	0.00024

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix IV Trend Tests - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 7/9/2025, 4:16 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01632**	**-171**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002215**	**41**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02917**	**141**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01283**	**-172**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1616**	**132**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.653**	**157**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.2828**	**122**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003101**	**-138**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004964**	**-143**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.02858**	**-43**	**-27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05552**	**114**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

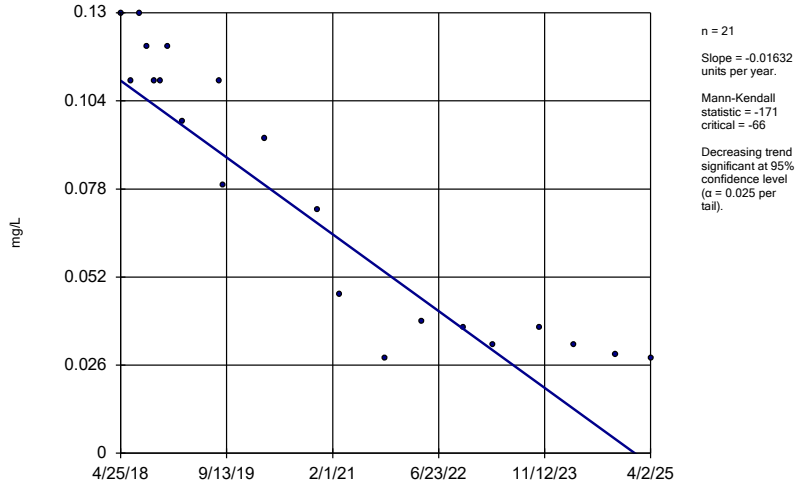
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 6/16/2025, 1:19 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01632**	**-171**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	33	66	No	21	85.71	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	0	-1	-66	No	21	28.57	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	1	27	No	11	81.82	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-7	-27	No	11	45.45	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	0	0	27	No	11	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	0.00005028	6	27	No	11	9.091	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.001752	-33	-66	No	21	0	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.001904	-46	-66	No	21	0	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002215**	**41**	**27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02917**	**141**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01283**	**-172**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.008709**	**-147**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.002273**	**-73**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003349	-11	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.004078	-12	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00216	-21	-27	No	11	0	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0	1	27	No	11	0	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1616**	**132**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.009533	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.01717	-16	-66	No	21	4.762	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.07045	7	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.3784	21	27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.1566	-16	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.03196	-7	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.653**	**157**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	-0.116	-15	-66	No	21	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	-0.1286	-3	-27	No	11	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-7	0.1631	42	66	No	21	0	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.2828**	**122**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0003259	37	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.00105**	**90**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	0.0005415	11	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0.0003918	11	27	No	11	45.45	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.001267	20	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	0.0006606	5	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-3	-0.001697	-56	-66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-4**	**-0.003101**	**-138**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.002781	6	27	No	11	0	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.000333	21	66	No	21	0	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004964**	**-143**	**-66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	66	No	21	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	27	No	11	100	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	8	27	No	11	90.91	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.02858**	**-43**	**-27**	**Yes**	**11**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05552**	**114**	**66**	**Yes**	**21**	**0**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator

APMW-10



n = 21

Slope = -0.01632 units per year.

Mann-Kendall statistic = -171
critical = -66

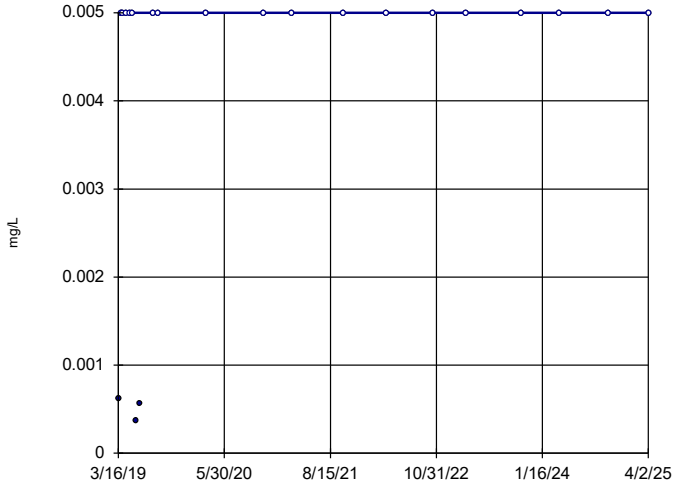
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 33
critical = 66

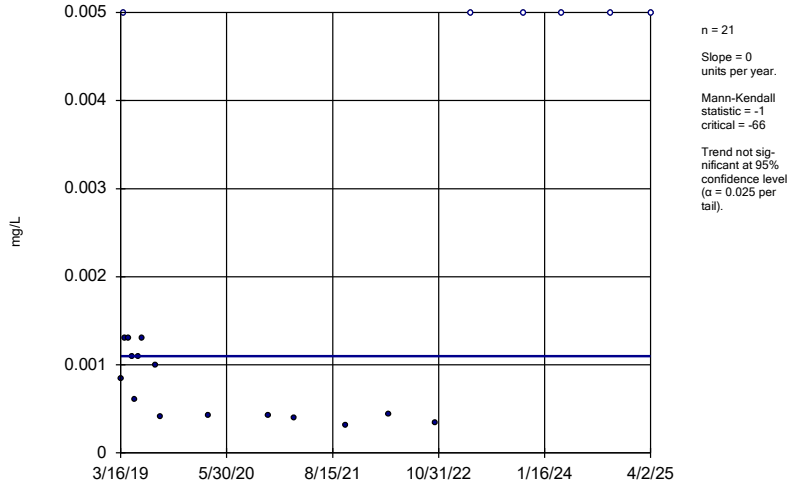
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -66

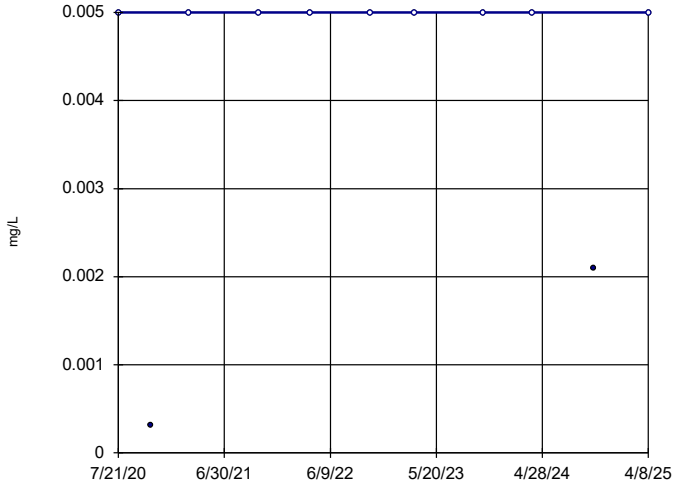
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 27

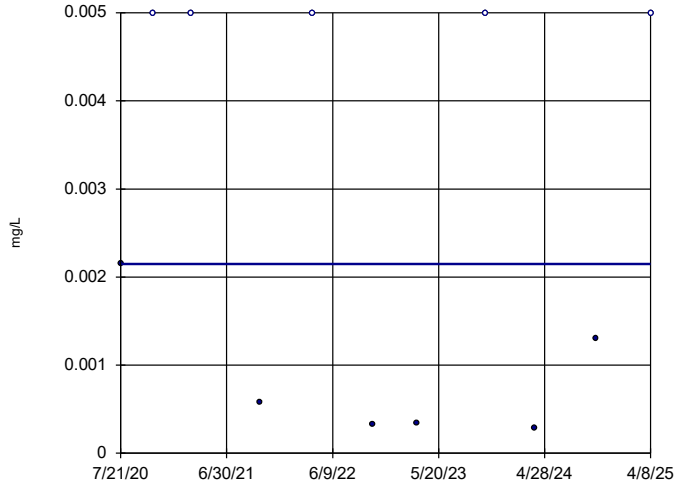
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = -7
critical = -27

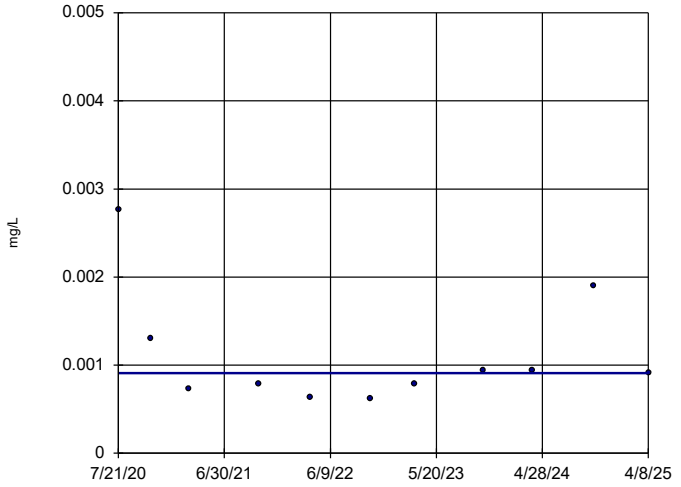
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 27

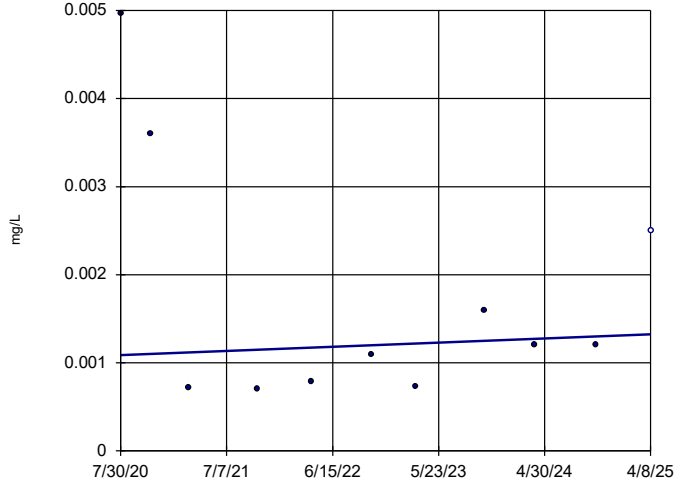
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.00005028
units per year.

Mann-Kendall
statistic = 6
critical = 27

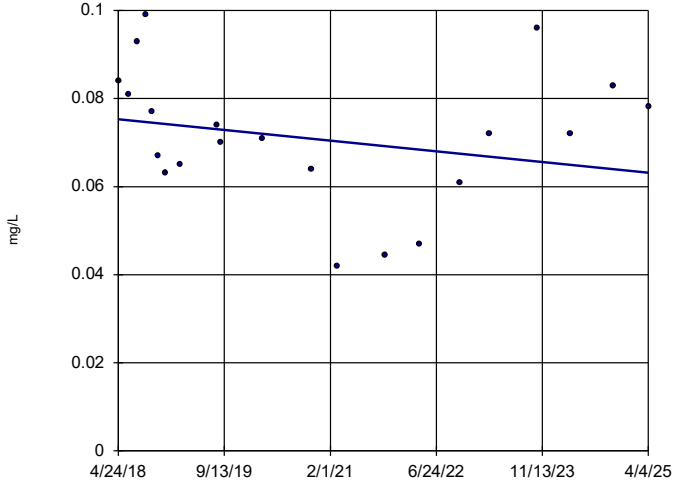
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 21

Slope = -0.001752
units per year.

Mann-Kendall
statistic = -33
critical = -66

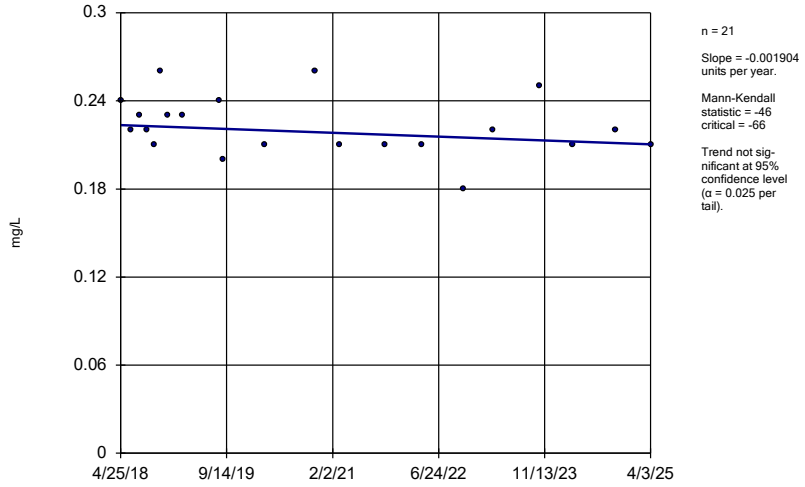
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
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Sen's Slope Estimator

APMW-5



n = 21

Slope = -0.001904 units per year.

Mann-Kendall statistic = -46
critical = -66

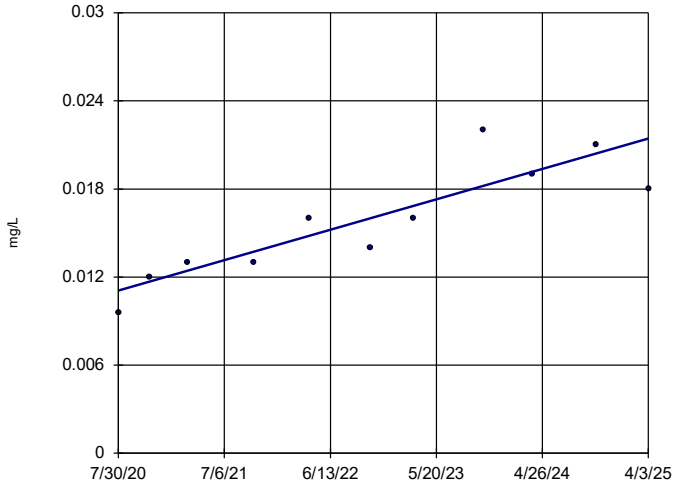
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-5D



n = 11

Slope = 0.002215 units per year.

Mann-Kendall statistic = 41
critical = 27

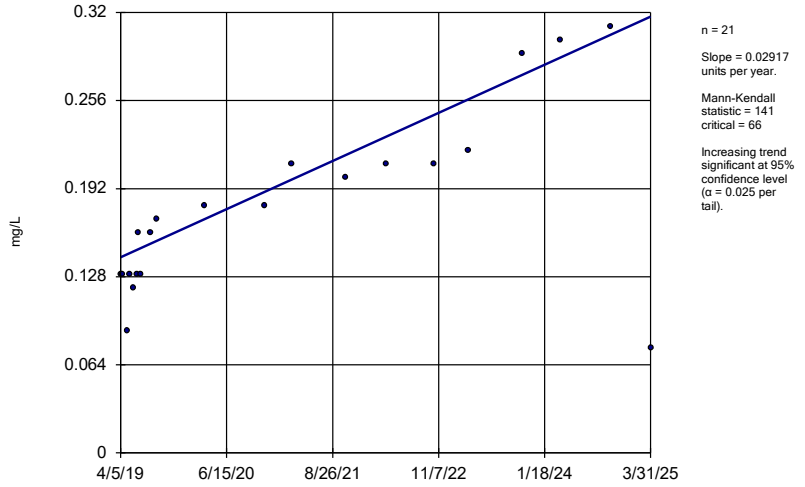
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 21

Slope = 0.02917 units per year.

Mann-Kendall statistic = 141
critical = 66

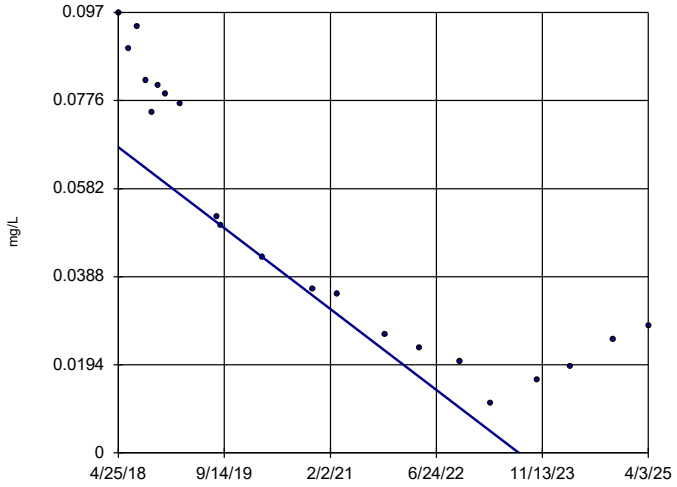
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 21

Slope = -0.01283 units per year.

Mann-Kendall statistic = -172
critical = -66

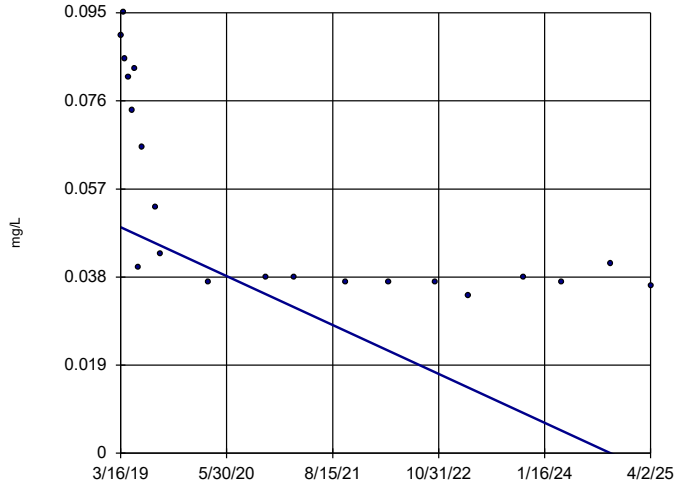
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = -0.008709 units per year.

Mann-Kendall statistic = -147 critical = -66

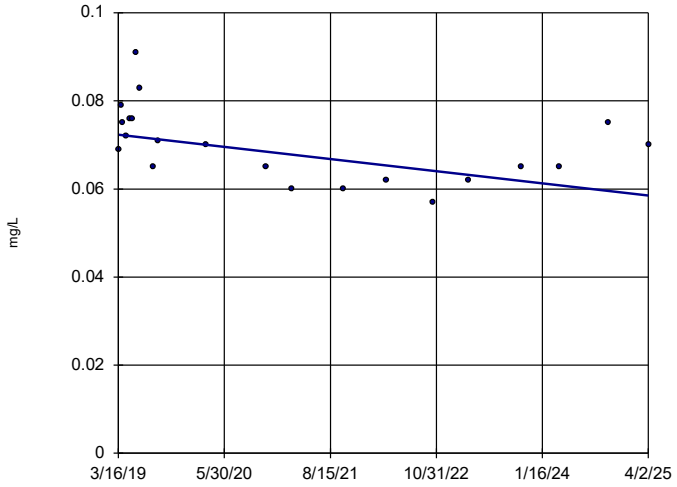
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = -0.002273 units per year.

Mann-Kendall statistic = -73 critical = -66

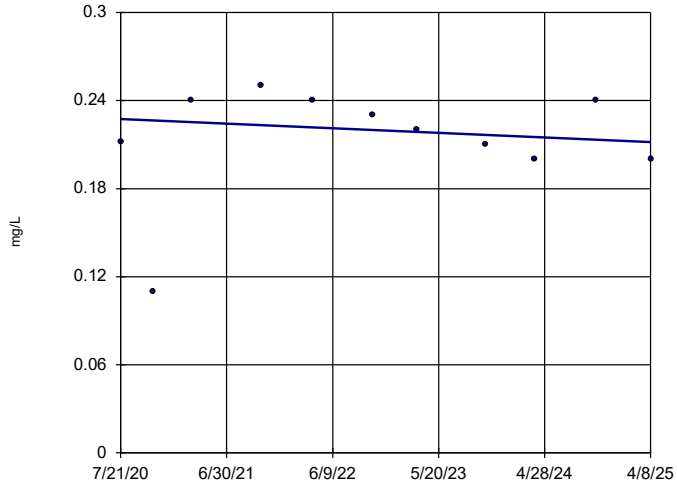
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = -0.003349 units per year.

Mann-Kendall statistic = -11 critical = -27

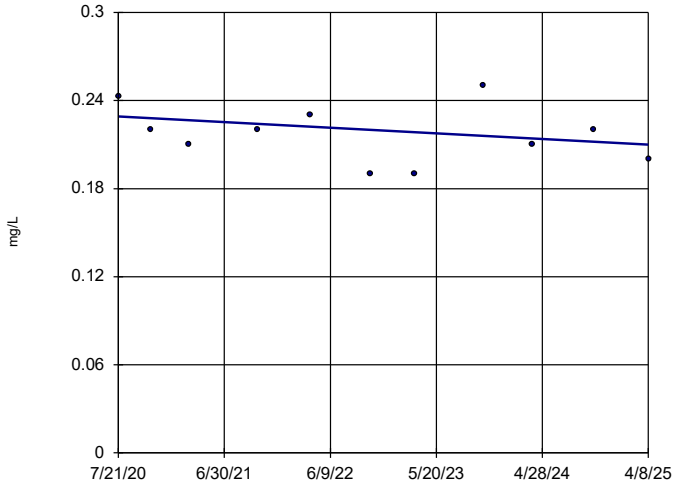
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:15 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = -0.004078 units per year.

Mann-Kendall statistic = -12 critical = -27

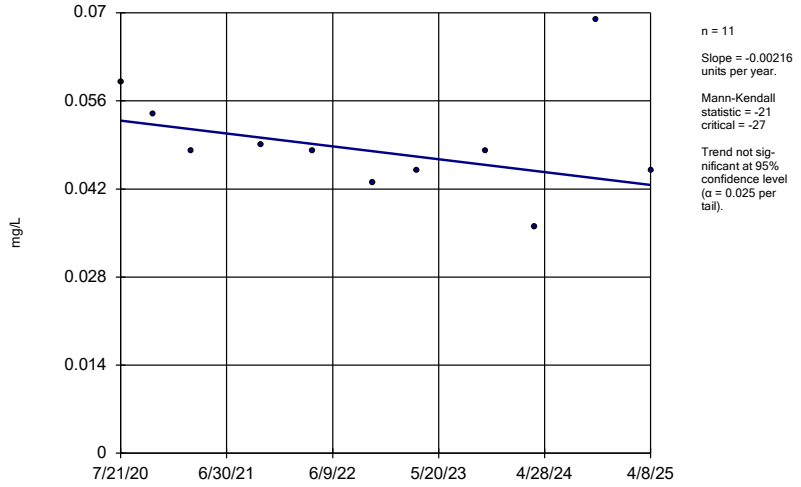
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.00216 units per year.

Mann-Kendall statistic = -21 critical = -27

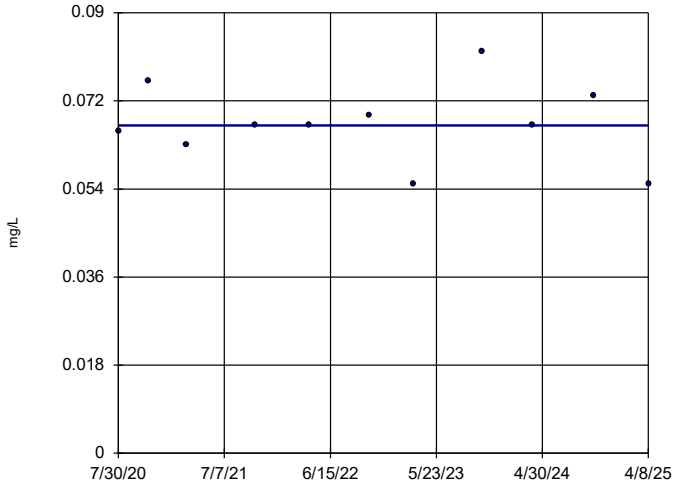
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 27

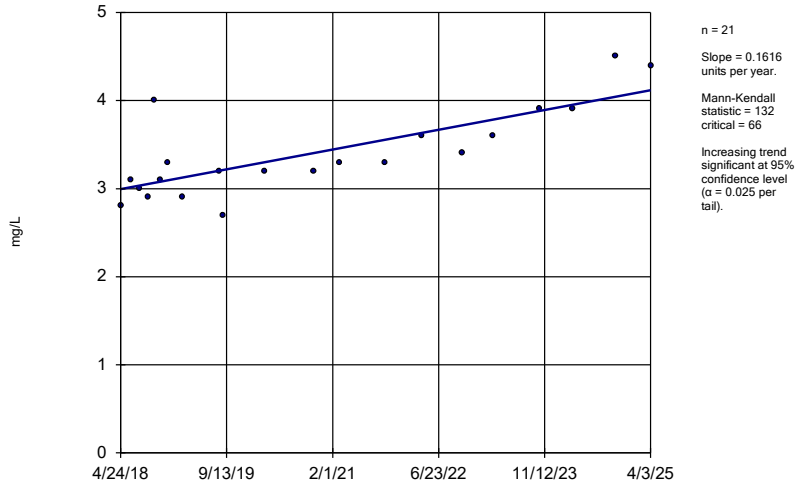
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 21

Slope = 0.1616 units per year.

Mann-Kendall statistic = 132 critical = 66

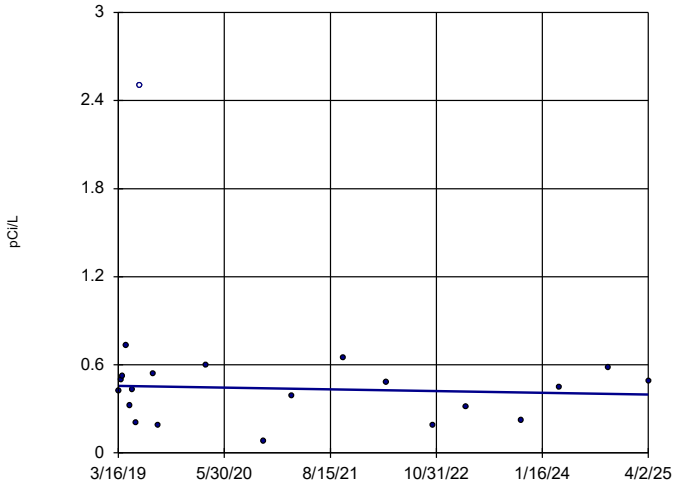
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = -0.009533 units per year.

Mann-Kendall statistic = -16 critical = -66

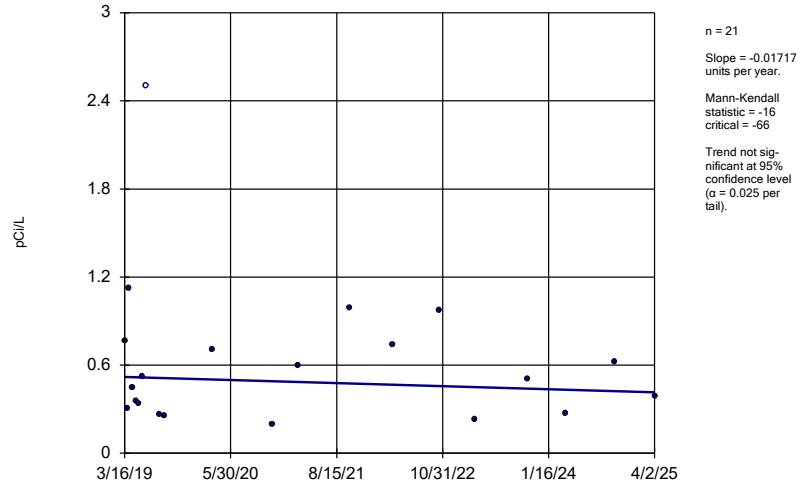
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = -0.01717 units per year.

Mann-Kendall statistic = -16
critical = -66

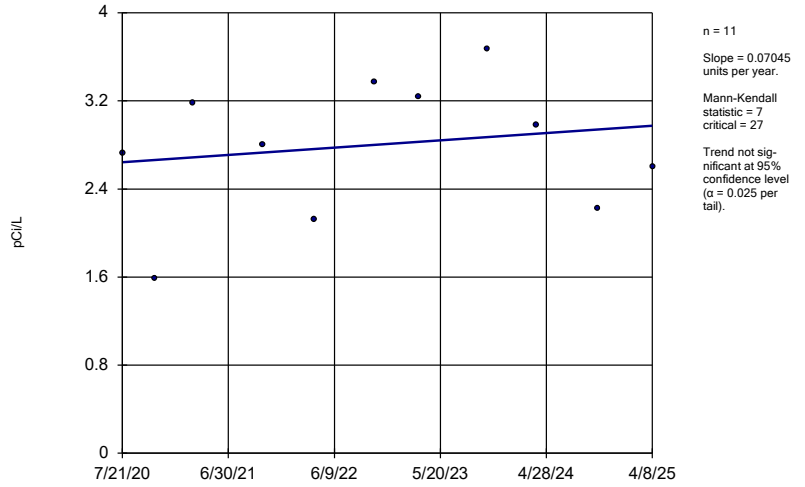
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.07045 units per year.

Mann-Kendall statistic = 7
critical = 27

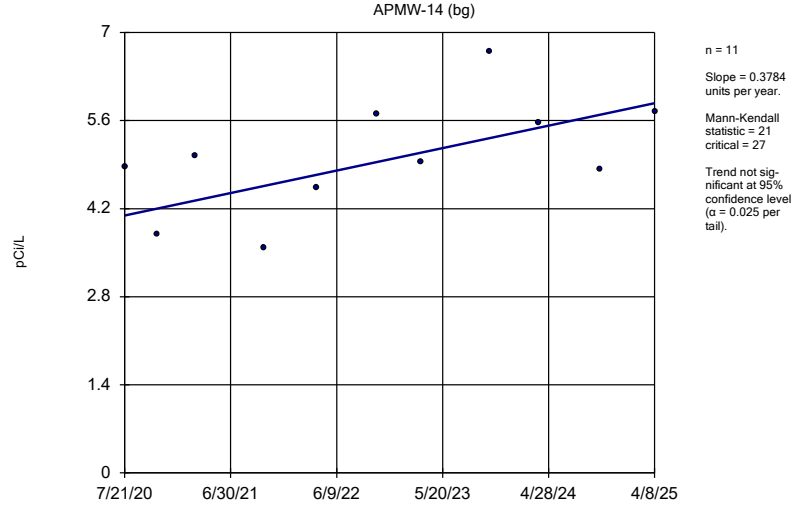
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.3784 units per year.

Mann-Kendall statistic = 21
critical = 27

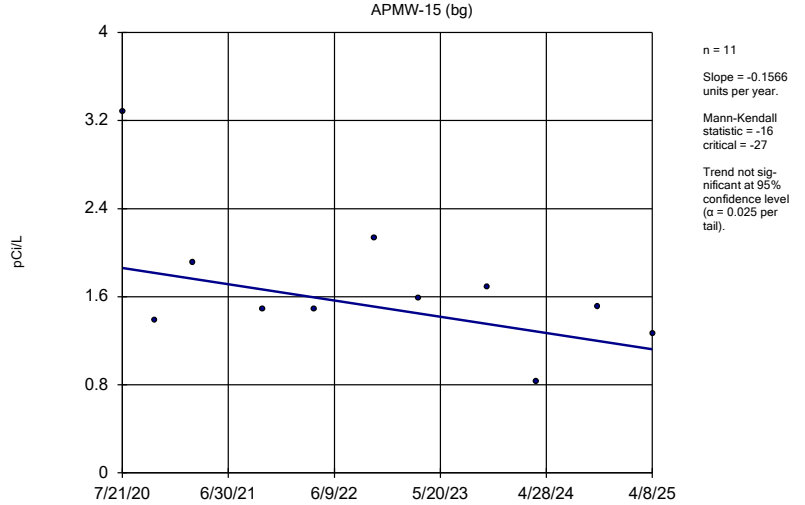
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = -0.1566 units per year.

Mann-Kendall statistic = -16
critical = -27

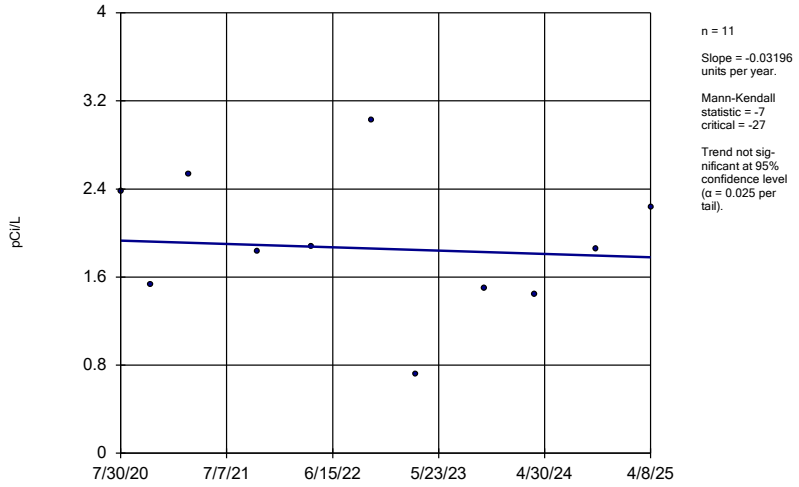
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = -0.03196 units per year.

Mann-Kendall statistic = -7
critical = -27

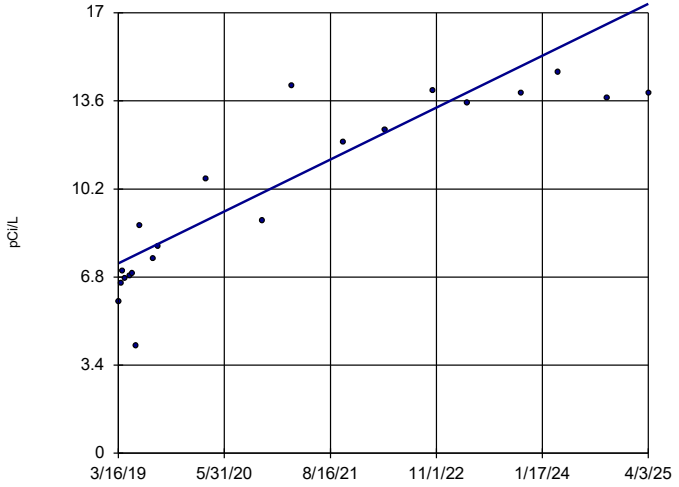
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-1R



n = 21

Slope = 1.653 units per year.

Mann-Kendall statistic = 157
critical = 66

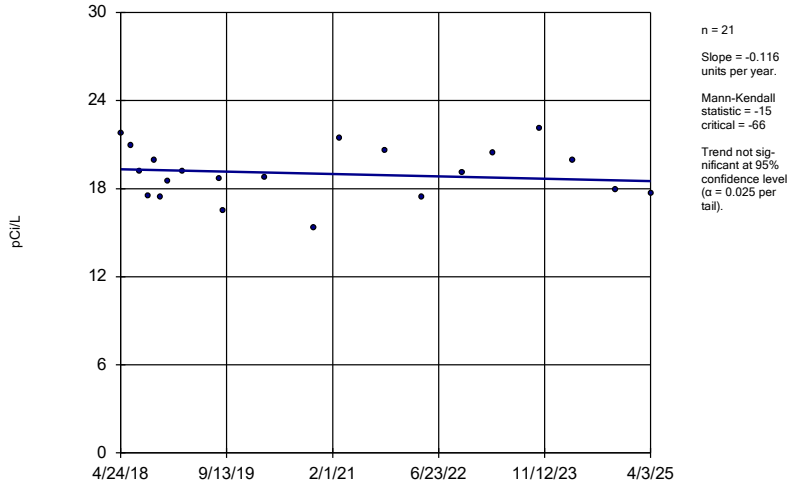
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-2



n = 21

Slope = -0.116 units per year.

Mann-Kendall statistic = -15
critical = -66

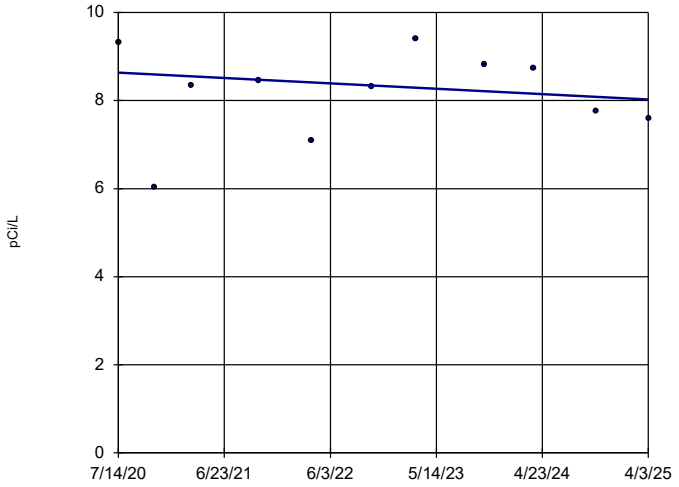
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4D



n = 11

Slope = -0.1286 units per year.

Mann-Kendall statistic = -3
critical = -27

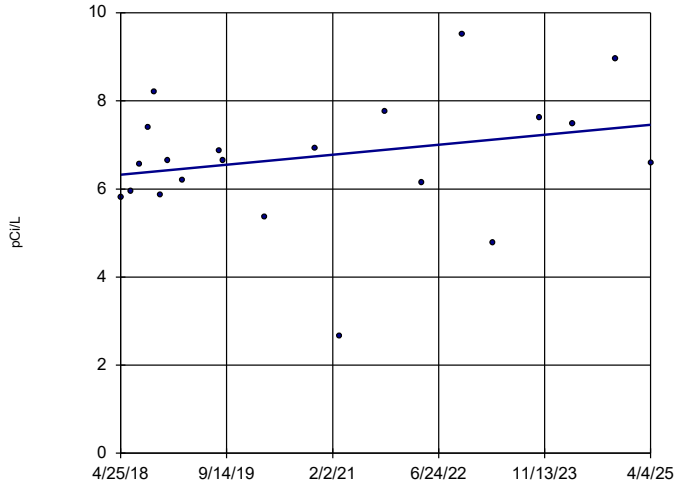
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-7



n = 21

Slope = 0.1631 units per year.

Mann-Kendall statistic = 42 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

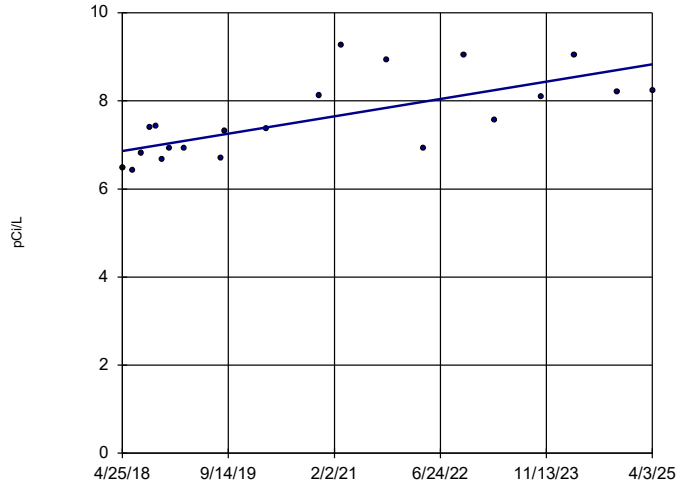
Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-9



n = 21

Slope = 0.2828 units per year.

Mann-Kendall statistic = 122 critical = 66

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

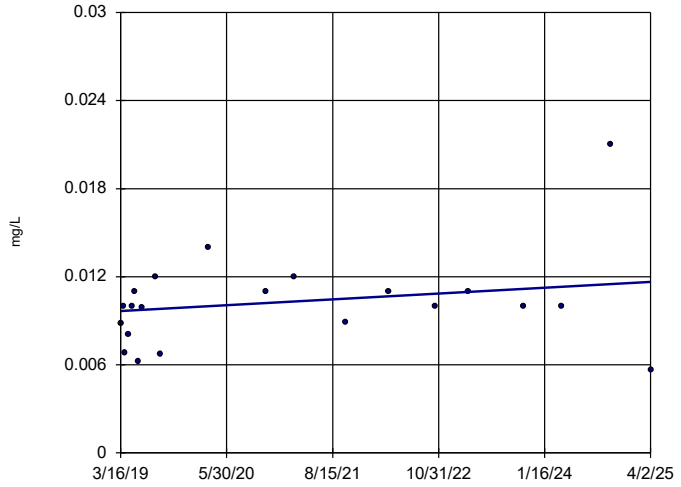
Constituent: Combined Radium 226 + 228 Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Te

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0.0003259 units per year.

Mann-Kendall statistic = 37 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

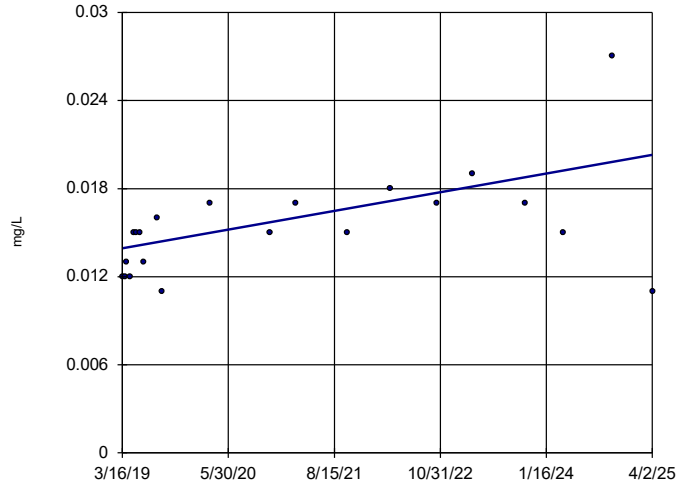
Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0.00105 units per year.

Mann-Kendall statistic = 90 critical = 66

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

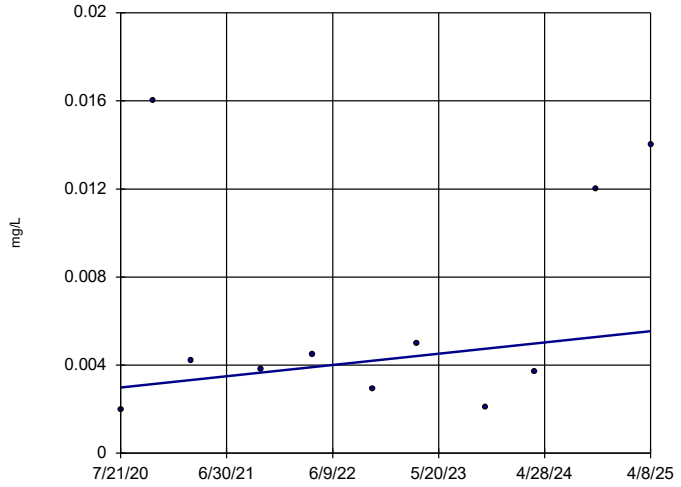
Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0.0005415 units per year.

Mann-Kendall statistic = 11 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

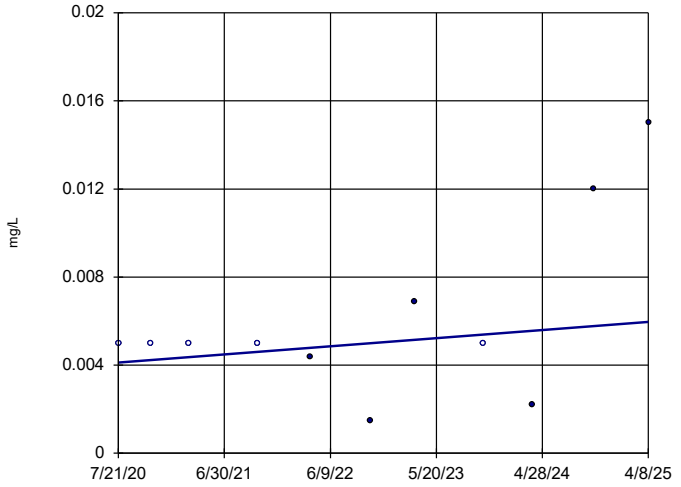
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0.0003918 units per year.

Mann-Kendall statistic = 11 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

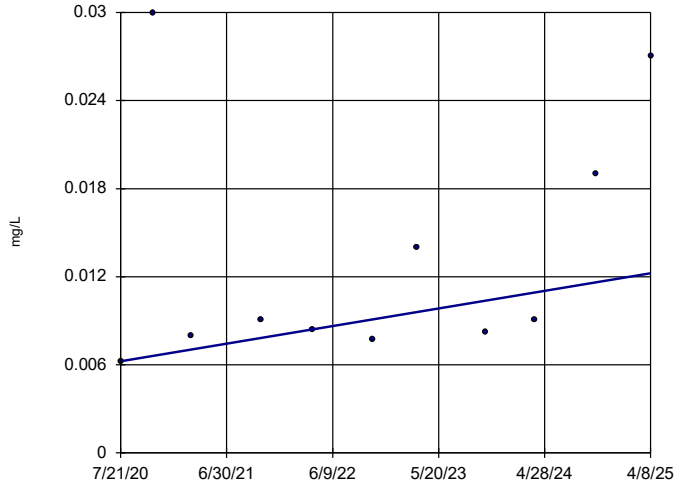
Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0.001267 units per year.

Mann-Kendall statistic = 20 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

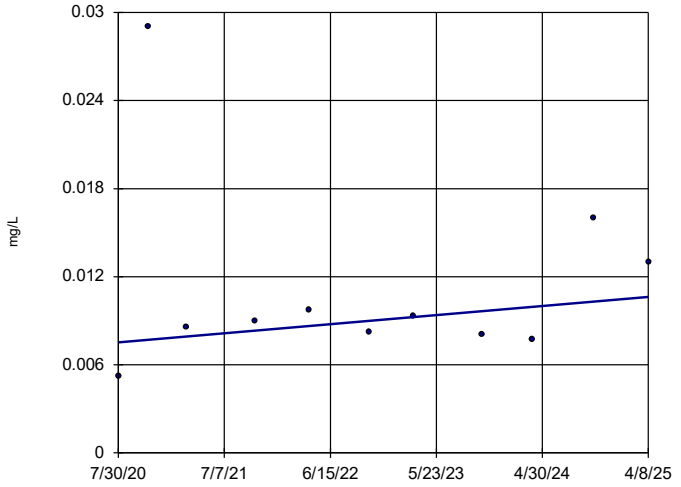
Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0.0006606 units per year.

Mann-Kendall statistic = 5 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

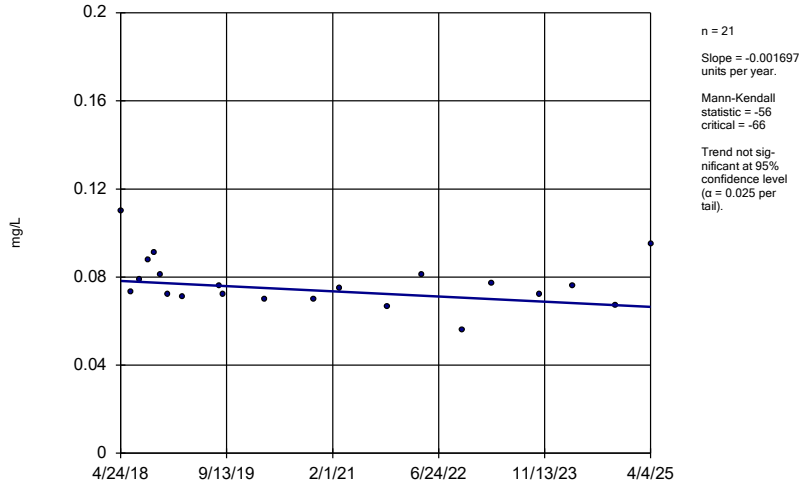
Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-3



n = 21

Slope = -0.001697 units per year.

Mann-Kendall statistic = -56
critical = -66

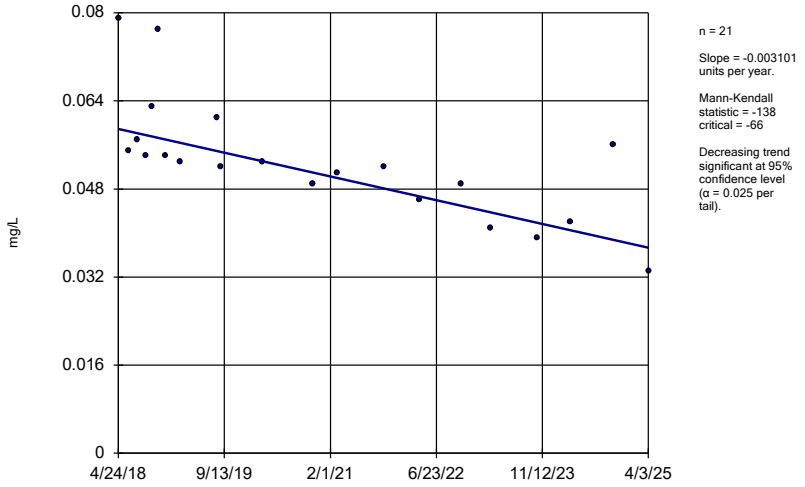
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4



n = 21

Slope = -0.003101 units per year.

Mann-Kendall statistic = -138
critical = -66

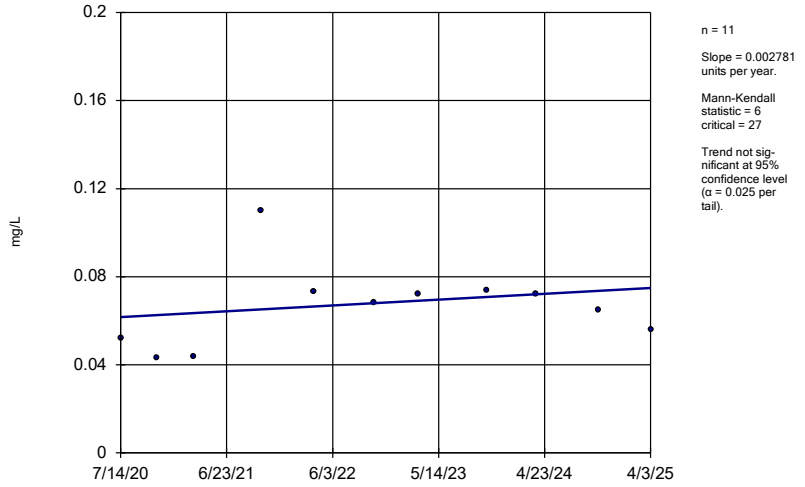
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4D



n = 11

Slope = 0.002781 units per year.

Mann-Kendall statistic = 6
critical = 27

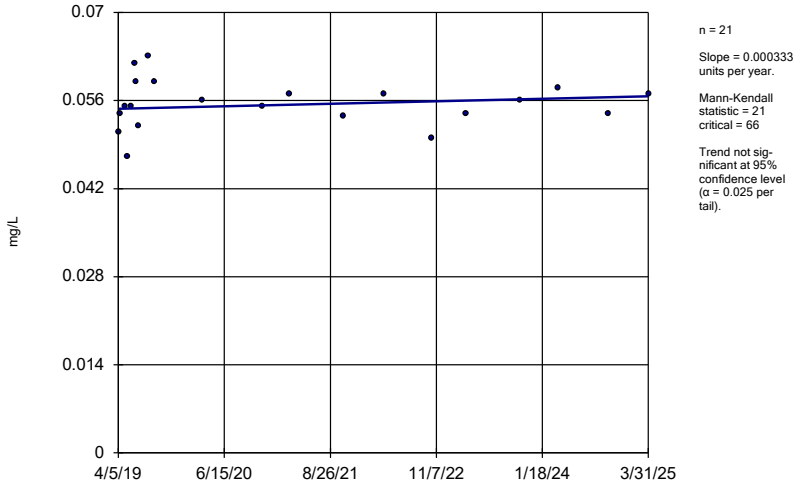
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 21

Slope = 0.000333 units per year.

Mann-Kendall statistic = 21
critical = 66

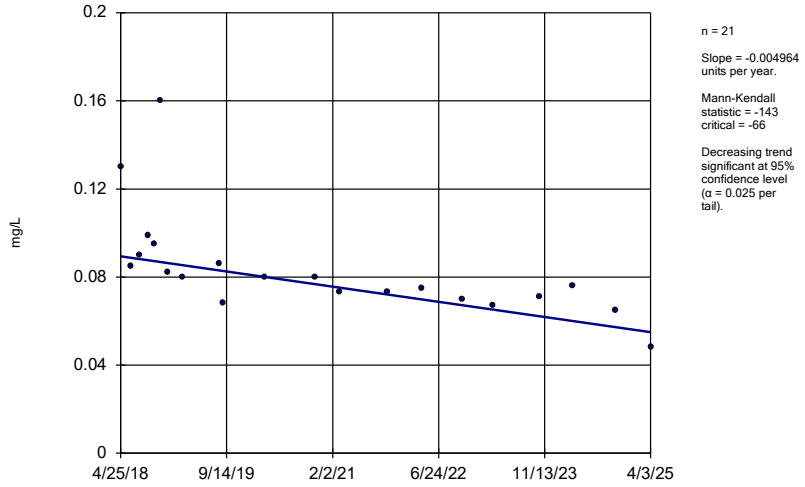
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-8



n = 21

Slope = -0.004964 units per year.

Mann-Kendall statistic = -143
critical = -66

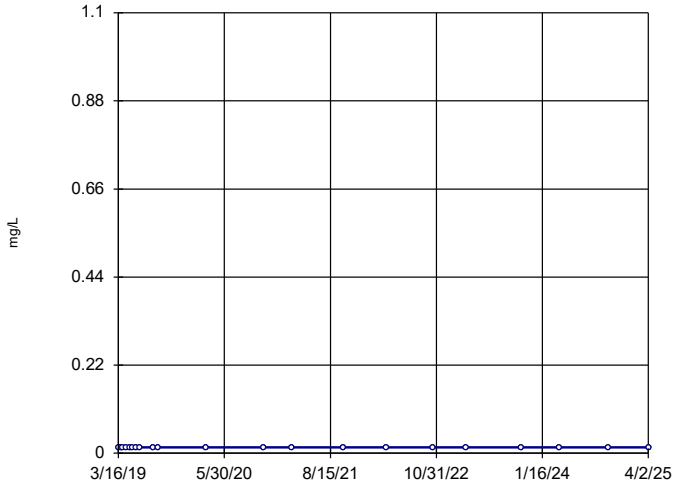
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 66

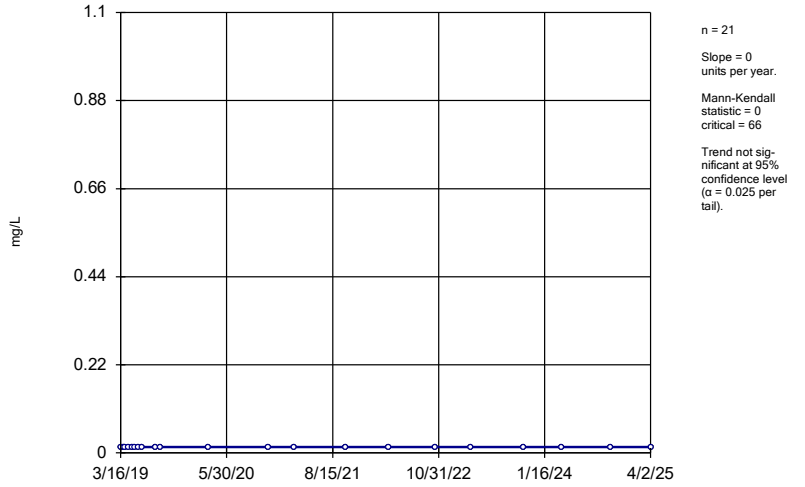
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 66

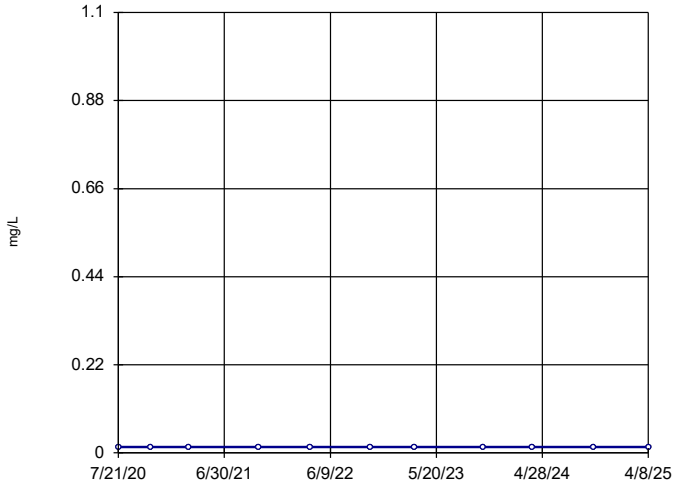
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 27

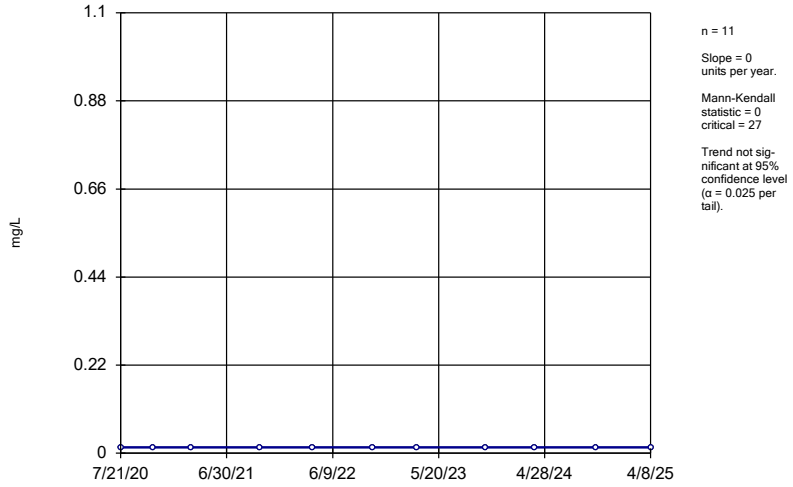
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

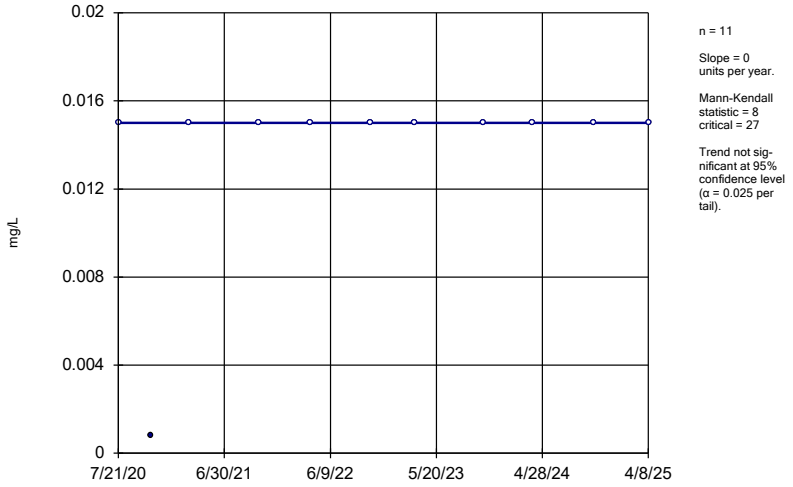
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 27

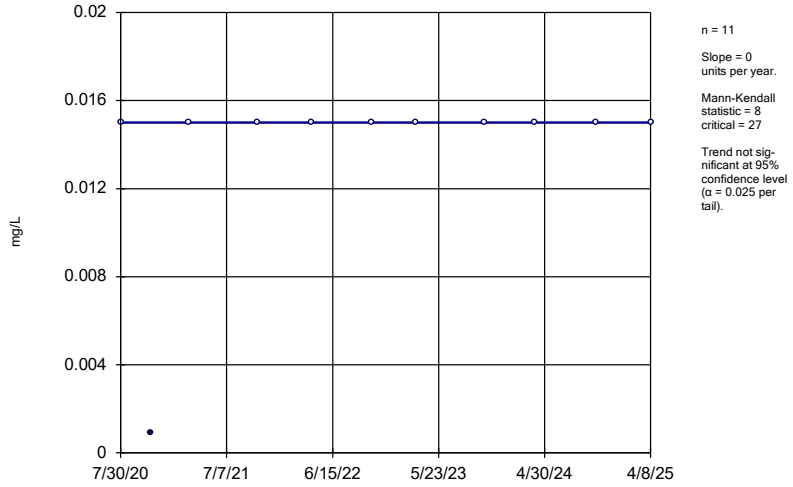
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 27

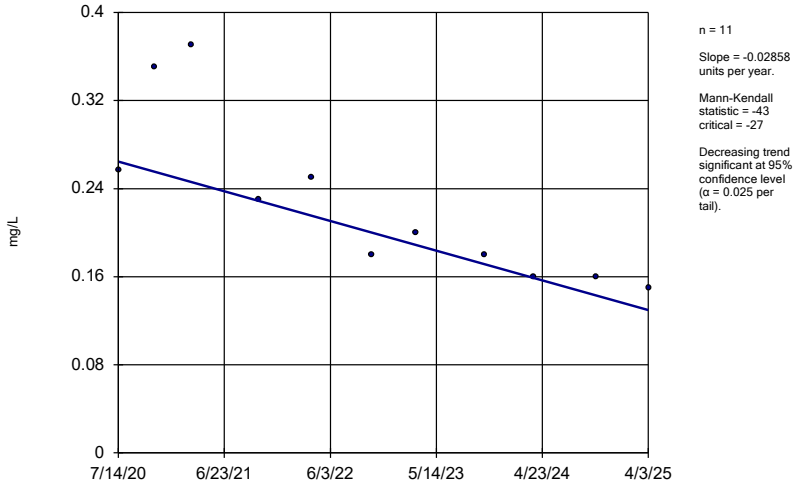
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-4D



n = 11

Slope = -0.02858 units per year.

Mann-Kendall statistic = -43 critical = -27

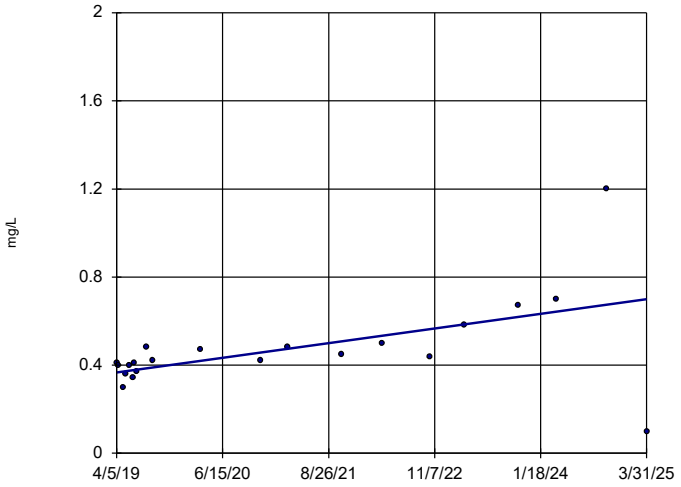
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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Sen's Slope Estimator

APMW-6R



n = 21

Slope = 0.05552 units per year.

Mann-Kendall statistic = 114
critical = 66

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 6/16/2025 1:16 PM View: Appendix IV - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR