2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GEORGIA POWER COMPANY – PLANT MITCHELL
ASH PONDS A, 1, AND 2
DOUGHERTY AND MITCHELL COUNTIES, GEORGIA



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CERTIFICATION STATEMENT

This *2025 Annual Groundwater Monitoring and Corrective Action Report*, Plant Mitchell (Ash Ponds A, 1, and 2) has been prepared in compliance with the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with WSP USA Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.



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SUMMARY

This summary of the *2025 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program from July 2024 through June 2025 at Georgia Power Company's (Georgia Power's) Plant Mitchell Ash Ponds A, 1 and 2 (the Site). This summary was prepared by WSP USA Inc. (formerly Wood Environment & Infrastructure Solutions, Inc.) on behalf of Georgia Power to meet the requirements listed in Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, and by reference Part A, Section 6[1] of the United States Environmental Protection Agency (US EPA) Coal Combustion Residual (CCR) Rule (40 Code of Federal Regulations [CFR] 257 Subpart D).



Plant Mitchell Ash Ponds A, 1, and 2

Georgia Power's Plant Mitchell is located approximately eight miles south of Albany, Georgia. The Plant Mitchell Site is comprised of approximately 516 acres, with the northern portion of the Site located in Dougherty County and the southern portion located in Mitchell County. Baker County is located immediately to the west of the Site, with the Flint River forming the county boundary. There are three CCR surface impoundments (ash ponds) at the Site: Ash Pond A, Ash Pond 1, and Ash Pond 2. The three ash ponds are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The former coal-fired plant buildings have been demolished. The CCR material is being removed from the ash ponds and the ponds are in the process of being closed. The Plant Mitchell CCR Surface Impoundments (Ash Pond A, Ash Pond 1, and Ash Pond 2) Permit was approved on June 28, 2022 (Permit No. 047-024D(CCR)).

The groundwater monitoring program for the ash ponds is managed in accordance with the GA EPD CCR Rules. A comprehensive well network monitors the groundwater conditions upgradient and downgradient of the ash ponds, in accordance with GA EPD rule requirements. Routine sampling and reporting began after the background groundwater conditions were established between August 2016 and October 2018. The first detection monitoring event was conducted in March 2019 and the first assessment monitoring event was in October 2019.

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

Semi-annual groundwater monitoring events were conducted in August 2024 and March 2025 and the Site remains in assessment monitoring. The samples collected during these routine semi-annual monitoring events were analyzed for the full suite of Appendix III[2] and the full suite of Appendix IV[3] constituents. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR rule, groundwater results for August 2024 and March 2025 were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III constituents in wells provided in the table below. There are no confidence intervals of the individual well/constituent pairs above a Groundwater Protection Standard (GWPS). Therefore, no statistically significant levels (SSLs) were identified for the August 2024 or March 2025 sampling events.

Appendix III Constituents	**August 2024**
Boron	PZ-7D, PZ-15, PZ-16, PZ-17 PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57
Calcium	PZ-18, PZ-19, PZ-23A
Chloride	PZ-15, PZ-16
Fluoride	None
pH	PZ-18, PZ-19, PZ-23A
Sulfate	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57
TDS	PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-33, PZ-57
Appendix III Constituents	**March 2025**
Boron	PZ-7D, PZ-15, PZ-16, PZ-17 PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33
Calcium	PZ-18, PZ-19, PZ-23A
Chloride	PZ-15, PZ-16
Fluoride	None
pH	PZ-19, PZ-23A
Sulfate	PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33
TDS	PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-33

Based on review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for August 2024 and March 2025, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to GA EPD semi-annually.

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

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

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LIST OF ACRONYMS

CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
cm/sec	Centimeters per Second
DO	Dissolved Oxygen
ft/day	Feet per Day
GA EPD	Georgia Environmental Protection Division
GWPS	Groundwater Protection Standard
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
mg/L	Milligrams per Liter
NAD	North America Datum of 1983
NAVD	North America Vertical Datum of 1988
NELAP	National Environmental Laboratory Accreditation Program
NTUS	Nephelometric Turbidity Units
OCGA	Official Code of Georgia Annotated
ORP	Oxidation-Reduction Potential
PL	Prediction Limit
QA/QC	Quality Assurance/Quality Control
RL	Reporting Limit (Laboratory)
SCS	Southern Company Services
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
su	Standard Unit (Unit for pH Values)
US EPA	United States Environmental Protection Agency

1 INTRODUCTION

In accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c), this *2025 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document groundwater monitoring activities conducted at Georgia Power Company's (Georgia Power's) Plant Mitchell Ash Ponds A, 1, and 2. To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) § 257 Subpart D. For ease of reference, the US EPA CCR Rules are cited within this report instead of the GA EPD Rules.

Groundwater monitoring and reporting for Plant Mitchell are performed in accordance with the monitoring requirements of § 257.90 through § 257.95. This semi-annual report documents the activities completed from July 2024 through June 2025 in accordance with GA EPD Rule 391-3-4-.10(6) and includes the semi-annual assessment monitoring events conducted in August 2024 and March 2025.

1.1 SITE DESCRIPTION AND BACKGROUND

Georgia Power's Plant Mitchell is located approximately eight miles south of Albany, Georgia. The Plant Mitchell site (the Site) is comprised of approximately 516 acres, with the northern portion of the Site located in Dougherty County and the southern portion located in Mitchell County. Baker County is located immediately to the west of the Site, with the Flint River forming the county boundary **(Figure 1: Site Location Map)**. As depicted in **Figure 2: Monitoring Network Well Location Map**, the former coal-fired electric generating facility was located to the north of Ash Ponds A, 1, and 2. The Site is partially bounded by the Flint River on the west, the Georgia and Florida Railway on the east, pecan orchards to the south. The wooded land immediately north of the former plant buildings is owned by the Georgia Power Company.

There are three CCR surface impoundments (ash ponds) at the Site: Ash Pond A, Ash Pond 1, and Ash Pond 2. The three ash ponds are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The former coal-fired plant buildings have been demolished. The CCR material is being removed from the ash ponds and the ponds are in the process of being closed. The removed CCR material is being transported by rail and/or by truck for disposal at an approved landfill or beneficially reused.

Plant Mitchell Ash Pond A was closed in 1962, Ash Pond 1 closed in 1980, and Ash Pond 2 ceased accepting CCR prior to October 19, 2015. The Plant Mitchell CCR Surface Impoundments (Ash Pond A, Ash Pond 1, and Ash Pond 2) Permit was issued by GA EPD on June 28, 2022 (Permit No. 047-024D(CCR)).

Groundwater monitoring has been initiated in order to meet GA EPD CCR requirements. The CCR background study was initiated in August 2016 and was completed in October 2018. The first detection monitoring event was conducted in March 2019 and the first assessment monitoring event was in October 2019. During this reporting period, two semi-annual

assessment monitoring events were conducted in August 2024 and March 2025. The Site remains in assessment monitoring.

1.2 REGIONAL GEOLOGY AND HYDROGEOLOGIC SETTING

The geology and hydrogeology of the Plant Mitchell Ash Ponds A, 1, and 2 are summarized below. The Plant Mitchell Site is located in the Dougherty Plain physiographic district within the Gulf Coastal Plain Physiographic Province (Watson, 1981; Clark and Zisa, 1976). The Dougherty Plain is characterized as relatively flat to gently rolling lowland karst terrain consisting of solutional features including caves, ephemeral streams, springs, and solution features which manifest surficially as shallow depressions.

The surface and near surface soils in the region consist of approximately 0 to 70 feet of unconsolidated sediment collectively referred to as residuum or overburden. This overburden is typically composed of discontinuous layers of sand and clay derived from the in-place weathering of the underlying Ocala Limestone. The overburden clay content ranges from 10 to 70 percent, with clay content typically being greater than 25 percent (Watson, 1981) making the overburden material less permeable than the underlying carbonate bedrock.

The Ocala Limestone in the region is described as a light-colored fossiliferous friable to well-indurated limestone (Gordon and Gonthier, 2017). Regionally, the Ocala Limestone is between 125 and 275 feet thick with increasing thickness to the southeast. The Ocala Limestone is part of the Floridan aquifer, which is hydraulically separated from the underlying Claiborne aquifer by the Lisbon Confining Unit (Gordon and Gonthier, 2017).

1.2.1 SITE GEOLOGY

Based on the borings drilled to establish the detection monitoring network, the lithologies underlying the ash pond area from the ground surface to depth are overburden (residuum) and carbonate bedrock. The overburden (residuum) at the Site consists of an interlayered sequence of predominantly fine-grained unconsolidated material including reddish brown to gray silty and clayey sands overlying sandy clay and clay. The overburden material is composed of the residual product of weathering of the underlying Ocala Limestone in the form of non-calcareous clay interlayered with quartz sand alluvium deposits (Hicks et al, 1981). A discontinuous zone of low permeability fine-grained sediments overlying the Ocala Limestone may serve as a barrier that restricts vertical movement of groundwater from the overburden to the limestone beneath the ash pond area, as indicated by many of the boring logs from multiple subsurface investigations at the Site. The *Hydrogeologic Assessment Report* (Wood, 2022a) presents laboratory analysis of undisturbed samples collected from fine-grained sediment directly overlying the limestone indicate this material can exhibit a permeability on the order of 10^{-4} to 10^{-8} centimeters per second (cm/sec) or 10^{-1} to 10^{-5} feet per day (ft/day). These values are generally consistent with the published range of literature values for overburden materials in the Dougherty Plain area. Hayes, et al. (1983) estimated horizontal hydraulic conductivity ranging from 0.0004 feet/day to 30 feet/day with a median value of 0.002 feet/day for samples gathered in the Dougherty Plain. A sample collected to the north

of the study area of Hayes, et al. (1983) estimated a hydraulic conductivity value of 0.002 feet/day and a vertical hydraulic conductivity value of 0.001 feet/day.

Locally, the Ocala Limestone bedrock is characterized as a pink to white, slightly silty, friable to well indurated fossiliferous limestone. The contact between overburden and bedrock at the Site is noted as an abrupt and distinct change in color, texture, and carbonate content from the overburden to bedrock. The Ocala Limestone is often described in the boring logs as a fine to coarse calcareous sand with increasing consolidation and cementation with depth. The surface of the carbonate bedrock is highly irregular due to differential weathering. In general, the bedrock surface slopes from the Site toward the Flint River in the west and southwest, and toward the unnamed creek in the east. As described in the *Hydrogeologic Assessment Report* (Wood, 2022a), in-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from 3.83×10^{-4} to 2.05×10^{-3} cm/sec or 1.08 to 5.81 feet/day with an average of 1.07×10^{-3} cm/sec or 3.04 feet/day.

1.2.2 SITE HYDROGEOLOGY

Two main hydrostratigraphic units are present at the Site: overburden (residuum) and carbonate bedrock and comprise the uppermost aquifer. The bedrock and lower part of the overburden are saturated. Where there is CCR/embankment material overlying the overburden and bedrock, it is predominantly unsaturated as indicated by several piezometers screened in the CCR/overburden contact. The monitoring well network for the Ash Ponds monitors the carbonate upper bedrock because the limestone yields usable, continuous, and persistent water, unlike the overlying overburden.

General groundwater flow in the bedrock aquifer is from the northern and eastern boundaries of the Site toward Ash Ponds 1 and 2 where a more dominant westerly flow direction is present as indicated on **Figure 3: Potentiometric Surface Map – Upper Bedrock – August 12, 2024**. **Figure 4: Potentiometric Surface Map – Upper Bedrock – March 10, 2025,** also shows a westerly to southwesterly flow on the west side of the Site, like **Figure 3**, and a slight southeasterly flow on the east side of the Site. The elevation of the river on March 10, 2025 was 157 feet, NAVD88, and was higher than site groundwater elevations on that date. The higher river elevation affected the groundwater flow direction for the March 2025 groundwater level measurements. The westerly flow direction is consistent with previously observed flow directions. The southeasterly flow direction has been observed previously in February 2023 when the river elevation was higher. Consistent with seasonal variations, the March 10, 2025 groundwater elevations were two feet higher than the August 12, 2024 groundwater elevations. The August 12, 2024 and March 10, 2025 groundwater elevations were similar to previous events' groundwater elevations.

1.3 GROUNDWATER MONITORING SYSTEM

Ash Ponds A, 1, and 2 are located adjacent to each other and are therefore considered to be one multi-unit for groundwater monitoring purposes. The groundwater monitoring system is described below.

Groundwater at the Site is monitored using a comprehensive monitoring system of wells installed to meet federal and state monitoring requirements. Pursuant to § 257.91, Georgia Power installed a groundwater monitoring system within the uppermost aquifer at Ash Ponds A, 1, and 2. The monitoring system is designed to monitor groundwater passing the waste boundary of the Ash Ponds A, 1, and 2 within the uppermost aquifer. Wells were located to serve as upgradient or downgradient monitoring points of Ash Ponds A, 1, and 2 based on groundwater flow direction. The monitoring well locations are shown in **Figure 2** and **Table 1 Summary of Detection Monitoring Well and Piezometer Construction Data** provides construction details for the detection monitoring wells in the CCR monitoring network. The monitoring wells are supplemented with piezometers that are used for water level measurements only (**Table 1)**.

2 GROUNDWATER MONITORING ACTIVITIES

As required by 257.90(e), the following describes monitoring-related activities performed from July 2024 through June 2025. The second semi-annual 2024 and the first semi-annual 2025 events were conducted August 12 to 15, 2024 and March 10 to 13, 2025. The groundwater sampling events were performed for assessment monitoring in accordance with § 257.93. Samples were collected from each of the monitoring wells listed in **Table 2: Groundwater Sampling Events**.

2.1 MONITORING WELL AND PIEZOMETER MAINTENACE

Monitoring well-related activities conducted during this period included the following:

- Monitoring wells are inspected semi-annually to determine if repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2024 and March 2025, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in **Appendix A: Well Repairs and Inspections**. The inspection and repairs were performed under the direction of a professional geologist or engineer registered in the State of Georgia.
- A few minor repairs and maintenance activities were conducted on the wells during the August 2024 and March 2025 events and are summarized in the well repair memo in **Appendix A.**

2.2 PIEZOMETER ABANDONMENT

Construction activities associated with the ash removal and closure of AP-1 and AP-2 necessitated the abandonment of non-permit piezometers located downgradient of the former ash ponds. Piezometer PZ-45 was installed in 2016 for environmental investigations associated with the coal combustion residuals (CCR) program but was not included in the certified CCR groundwater monitoring or water level gauging network. Located outside of the Plant Mitchell CCR permit boundary, piezometer PZ-45 was no longer needed and was identified for abandonment. Piezometer PZ-45 was scheduled for abandonment in September 2023 during a mobilization to abandon eight other piezometers (WSP 2023). At that time, PZ-45 could not be located. During the February 2024 semi-annual monitoring event when the ground-cover vegetation was dormant, PZ-45 was located. Piezometer PZ-45 was abandoned on October 15, 2024 and is documented in **Appendix B: Report of Abandonment of Piezometer PZ-45.**

2.3 ASSESSMENT MONITORING

Pursuant to § 257.94(e)(1), Georgia Power implemented assessment monitoring based on Statistically Significant Increases (SSIs) of Appendix III constituents identified in the initial detection monitoring event (March 2019). An Assessment Monitoring Program Notification was prepared for Ash Ponds A, 1, and 2 on November 13, 2019, pursuant to § 257.94(e)(3) and placed in the facility's Operating Record as required by § 257.105(h)(5).

Two semi-annual assessment monitoring events were conducted during this reporting period in August 2024 and March 2025. Pursuant to § 257.95(d)(1), groundwater samples collected from the CCR monitoring network wells were analyzed for Appendix III constituents and the full suite of Appendix IV constituents. Data reports for the August 2024 and March 2025 events are included in **Appendix C: Laboratory Analytical and Field Sampling Reports – August 2024 and March 2025.**

3 SAMPLE METHODOLOGY & ANALYSES

The following sections describe the methods used to complete groundwater monitoring at Plant Mitchell Ash Ponds A, 1, and 2.

3.1 GROUNDWATER ELEVATION MEASUREMENTS AND FLOW DIRECTION

Prior to each sampling event, groundwater elevations are recorded from each well in the network for Plant Mitchell Ash Ponds A, 1, and 2. Groundwater elevations recorded during the August 2024 and March 2025 monitoring events are summarized in **Table 3: Summary of Groundwater Elevations**. Groundwater elevation data from the monitoring events were used to develop potentiometric surface elevation contour maps (**Figure 3: Potentiometric Surface Map – Upper Bedrock – August 12, 2024 and Figure 4: Potentiometric Surface Map – Upper Bedrock – March 10, 2025**). The August 2024 and March 2025 groundwater elevations were calculated using the re-surveyed top of casing elevations from the June 15, 2020 survey by McKim & Creed. Groundwater flow in the carbonate upper bedrock **(Figures 3 and 4)** is predominantly to the west-southwest. Also on Figure 4, the groundwater flow direction is shown to flow slightly toward the southeast on the east side of the Site. The elevation of the river on March 10, 2025 was 157 feet, NAVD88, and higher than site groundwater elevations on that date. The higher river elevation affected the groundwater flow direction for the March 2025 groundwater measurements. The west-southwest groundwater flow pattern observed during the August 2024 and March 2025 monitoring events is consistent with conditions observed during previous monitoring events. The southeasterly flow direction has been observed previously in February 2023 when the river elevation was higher. Consistent with seasonal variations, the March 10, 2025 groundwater elevations were two feet higher than the August 12, 2024 groundwater elevations. The August 12, 2024 and March 10, 2025 groundwater elevations were similar to previous events' groundwater elevations.

3.2 GROUNDWATER GRADIENT AND FLOW VELOCITY

The horizontal groundwater flow velocity at Plant Mitchell Ash Ponds A, 1, and 2 was calculated using the commonly used derivative of Darcy's Law. Specifically,

Where:

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

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

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

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

$n_e =$ Effective porosity

Although Darcy's equation is primarily applicable to diffuse flow in porous media, it is also used where flow is analogous to conditions in a homogenous aquifer. Stewart, et al. (1999) states that "water flow in the Upper Floridan (Ocala Limestone) can be classified generally as (1) diffuse, where flow is analogous to conditions in homogenous aquifer, and can be described by using basic Darcian equations; and (2) conduit, where water flows in distinct conduits and surrounding rock has comparatively low porosity and low permeability." Based on the lack of karst features such as cavities in boring logs, the narrow range and relatively low values of hydraulic conductivity, and relatively uniform potentiometric surface for the bedrock aquifer at the Site, the application of Darcy's equation produces approximate linear groundwater flow velocities for the shallow bulk carbonate bedrock aquifer.

Groundwater flow velocities were calculated using an average hydraulic conductivity value of 3.04 feet/day, and an effective porosity of 20 percent (Hayes, et al., 1983). **Table 4: Groundwater Flow Velocity Calculations** summarizes the groundwater flow velocities. Results for groundwater flow velocities in August 2024 ranged from 0.02 to 0.04 feet/day (8 to 14 feet/year). The March 2025 groundwater flow velocities ranged from 0.01 to 0.02 feet/day (4 to 8 feet/year). These calculated groundwater velocities across the Site are generally consistent with historical calculations and with expected velocities in the site-specific geology, therefore, confirming the groundwater monitoring network is properly located to monitor the uppermost aquifer.

3.3 GROUNDWATER SAMPLING

Groundwater samples were collected for the August 2024 and March 2025 monitoring events in accordance with § 257.93(a). Each of the monitoring wells at the Site is equipped with a dedicated QED bladder pump. The monitoring wells were purged and sampled using low-flow sampling procedures. Sampling equipment and pump intakes were placed at the midpoint of the well screen. Care was taken to maintain a water level above the top of screen and not draw the water level down below the pump during purging. Water level stabilization was achieved when three consecutive water level measurements vary by 0.3 foot or less at a pumping rate of no less than 100 milliliters per minute. An AquaTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP) and a Hach 2100Q (or similar) portable turbidity meter was used to measure turbidity during well purging to verify stabilization prior to sampling. Groundwater samples were collected when the following stabilization criteria were met:

- pH ± 0.1 Standard Units (s.u.);
- Specific conductance ± 5 percent;
- DO ±10 percent or ±0.2 milligrams per liter (mg/L) (whichever is greater) for DO where DO >0.5 mg/L (if DO <0.5 mg/L no stabilization criteria apply); and,
- Turbidity measurements less than 5 Nephelometric Turbidity Units (NTUs), or between 5 and 10 NTUs after 3 hours of purging.

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to the analytical laboratory following chain-of-custody protocol. The field sampling and equipment calibration forms generated during this monitoring event are provided in **Appendix C.**

3.4 LABORATORY ANALYSES

The full suites of Appendix III and IV constituents were analyzed during the August 2024 and March 2025 semi-annual events. Analytical methods used for groundwater sample analyses are listed on the analytical laboratory reports included in **Appendix C**.

Laboratory analyses were performed by Pace Analytical Services, LLC, of Peachtree Corners, Georgia, Asheville, North Carolina, West Columbia, South Carolina, Mt Juliet, Tennessee, and Greensburg, Pennsylvania. The Pace laboratories are accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all constituents analyzed. In addition, Pace laboratories are certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain of custody records for these monitoring events are presented in **Appendix C**.

3.5 GROUNDWATER ANALYTICAL RESULTS

Table 5: Groundwater Analytical Data Summary – August 2024 and March 2025, summarizes the analytical data for the Appendix III and IV constituents for the semi-annual monitoring events. The complete laboratory and field data sheets are included in **Appendix C**. Time series data for the Appendix III and IV constituents are provided in **Appendix D: Statistical Analyses**.

3.6 QUALITY ASSURANCE & QUALITY CONTROL

During each sampling event, quality assurance/quality control (QA/QC) samples are collected. Equipment blanks (where non-dedicated sampling equipment is used) are collected at a rate of one QA/QC sample per 10 groundwater samples. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling event and were collected at a rate of one QA/QC sample per 20 groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per 20 groundwater samples. Quality assurance and quality control of the groundwater data was assessed by performing a data quality evaluation of the laboratory results reported. A data quality evaluation was conducted on the data using laboratory precision and accuracy, and analytical method requirements. The constituent concentrations were generally within the historical range of concentrations. The data quality evaluations are included in **Appendix C**.

The analytical results provided in **Table 5** provide concentrations from the most recent sampling event as reported by the laboratory. When values are followed by a "J" flag, this indicates that the value is an estimated analyte concentration detected between the method

detection limit and the laboratory reporting limit. The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Radium values followed by a "U" flag indicate the constituent was not detected above the analytical minimum detectable concentration. The data are considered usable for meeting project objectives and the results are considered valid.

4 STATISTICAL ANALYSIS

The Site is currently in assessment monitoring. Statistical analysis of Appendix III groundwater monitoring data was performed on samples collected from the groundwater monitoring network pursuant to § 257.93(f) and following the Professional Engineer-certified statistical analysis plans. The statistical analysis plan used at the Site was developed in April 2019 by Groundwater Stats Consulting 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 (US EPA, 2009). To develop the statistical method, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix III constituent. Subsequent detection monitoring results were compared to the statistical limits to determine if concentrations were statistically different from background.

Pursuant to § 257.95(d)(2), Georgia Power established groundwater protection standards (GWPS) for the Appendix IV monitoring constituents and conducted statistical analysis of the Appendix IV groundwater monitoring data obtained during the August 2024 and March 2025 semi-annual assessment monitoring events to evaluate if concentrations statistically exceeded the established GWPS. The following subsections provide an overview of the statistical methods used to evaluate Appendix III and IV constituents and statistical analyses results.

4.1 STATISTICAL METHOD

Sanitas groundwater statistical software was used to perform the statistical analyses at the Site. Sanitas is a commercially available decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance (US EPA, 2009) document. The Sanitas groundwater statistical software was used to perform the statistical analyses of groundwater quality semi-annual data obtained in August 2024 and March 2025. The interwell statistical method was used for the analysis of the Appendix III constituents. Confidence intervals were calculated for each of the detected Appendix IV constituents in each downgradient well. **Table 6: Statistical Method Summary** provides a summary of the statistical methodology used at Ash Ponds A, 1, and 2 for the semi-annual monitoring events conducted in August 2024 and March 2025 and will be used for routine monitoring in the future. Specific methodology information is described in the following paragraphs.

4.1.1 APPENDIX III STATISTICAL METHOD

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PL) combined with a 1-of-2 verification re-sample plan for each of the Appendix III constituents. The interwell prediction limits were used to evaluate the full suite of Appendix III constituents. When using the interwell method, upgradient well data are pooled to establish a background statistical limit (PL) for each constituent. Pooled concentrations from Site upgradient wells (PZ-1D, PZ-2D, PZ-31, PZ-32) were used to establish the prediction limit for each individual Appendix III constituent. Appendix III constituent concentrations from the semi-annual August 2024 and March 2025 monitoring events were compared to the

interwell prediction limits to evaluate whether downgradient well concentrations exceed background statistical limits. When a constituent concentration exceeds the PL, a statistically significant increase (SSI) exceedance is identified.

If data from a sampling event initially exceeds the PL, an optional resampling strategy can be used to verify the result as described in Section 4.1 and **Table 6**. A confirmed exceedance is only noted when the re-sample confirms the initial exceedance by also exceeding the prediction limit or if re-sampling is not performed. If the re-sample does not exceed the PL, then there is no SSI.

4.1.2 APPENDIX IV STATISTICAL METHOD

The assessment monitoring program statistics for Appendix IV constituents at Plant Mitchell were conducted in two parts. The first part was the calculation of tolerance limits for site-specific background limits for Appendix IV constituents. The second part was the calculation of confidence intervals for individual downgradient well/constituent pairs.

Interwell tolerance limits were used to calculate the site-specific background limits from pooled upgradient well data for Appendix IV constituents. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution such as for barium and radium. When data contained greater than 50 percent non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. The background limits were then used when determining the GWPS under 40 CFR § 257.95(h).

Following the above rule requirements, GWPSs were established for statistical comparison of Appendix IV constituents for the August 2024 and March 2025 sampling events. **Table 7: Summary of Groundwater Protection Standards** summarizes the GWPSs established for each event for the Appendix IV constituents. The background levels for each event are summarized in **Appendix D**.

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in each downgradient well for each event. The Sanitas software was used to calculate the tolerance limits and the confidence intervals. Those confidence intervals were compared to the GWPS established using the GA EPD Rules 391-3-4-.10(6)(a). Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, an SSL exceedance is identified.

4.2 STATISTICAL ANALYSES RESULTS – APPENDIX III

The statistical analysis and comparison to prediction limits are included as **Appendix D**. Based on review of the full Appendix III statistical analysis discussion presented in **Appendix D**, groundwater conditions have not returned to background concentrations and assessment monitoring should continue to be conducted.

4.3 STATISTICAL ANALYSES RESULTS – APPENDIX IV

Appendix D shows the individual well/constituent pairs with their respective confidence intervals in comparison to the respective constituent GWPS. There are no confidence intervals of the individual well/constituent pairs above a GWPS, established according to GA EPD Rules 391-3-4-.10(6)(a). Therefore, no SSLs were identified for the August 2024 and March 2025 sampling events.

5 MONITORING PROGRAM STATUS

The Plant Mitchell Ash Ponds A, 1, and 2 CCR multi-unit is in assessment monitoring due to the detection of SSIs of Appendix III constituents initially in March 2019. Similar SSIs of Appendix III constituents were detected in the August 2024 and March 2025 semi-annual events. No SSLs were identified for the Appendix IV constituents during the August 2024 and March 2025 events. Pursuant to § 257.95, Georgia Power will continue assessment monitoring at Plant Mitchell Ash Ponds A, 1, and 2.

6 CONCLUSIONS & FUTURE ACTIONS

This *2025 Annual Groundwater Monitoring & Corrective Action Report* for Georgia Power's Plant Mitchell Ash Ponds A, 1, and 2 was prepared to fulfill the requirements of GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical evaluations of the groundwater monitoring data for Plant Mitchell Ash Ponds A, 1, and 2 identified SSIs of Appendix III groundwater monitoring constituents. No SSLs were identified for the Appendix IV constituents. Georgia Power has initiated assessment monitoring pursuant to the requirements of § 257.95. The next semi-annual assessment sampling event is planned for August-September 2025. The next semi-annual assessment monitoring event will include sampling and analysis of the full suites of Appendix III and Appendix IV constituents.

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TABLES

TABLE 1
SUMMARY of DETECTION MONITORING WELL and PIEZOMETER CONSTRUCTION DATA
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

Well ID	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet NAVD88) [2]	Top of Casing Elevation (feet NAVD88) [2]	Top of Screen Elevation (feet NAVD88) [2][3]	Bottom of Screen Elevation (feet NAVD88) [2][3]	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened	Installation Date
DETECTION MONITORING WELLS										
PZ-1D	Upgradient	526353.90	2307362.80	193.44	196.44	125.80	115.80	81.00	Bedrock (Limestone)	06/11/2014
PZ-2D	Upgradient	526067.30	2308155.40	175.64	178.51	108.00	98.00	80.90	Bedrock (Limestone)	06/10/2014
PZ-7D	Downgradient	521425.10	2305995.30	170.28	173.08	123.90	113.90	59.80	Bedrock (Limestone)	06/03/2014
PZ-14	Downgradient	521473.10	2306804.80	180.85	183.46	140.90	130.90	52.60	Bedrock (Limestone)	07/25/2016
PZ-15	Downgradient	521600.20	2305357.30	167.38	170.37	97.40	87.40	83.00	Bedrock (Limestone)	07/23/2016
PZ-16	Downgradient	522125.00	2305359.90	171.21	173.92	131.20	121.20	52.70	Bedrock (Limestone)	07/25/2016
PZ-17	Downgradient	522587.90	2305886.70	170.12	172.91	120.10	110.10	62.80	Bedrock (Limestone)	07/22/2016
PZ-18	Downgradient	523145.70	2306142.30	167.34	170.11	117.30	107.30	62.80	Bedrock (Limestone)	07/23/2016
PZ-19	Downgradient	523582.10	2306153.60	169.40	172.05	120.40	110.40	62.70	Bedrock (Limestone)	07/13/2016
PZ-23A	Downgradient	523831.50	2307743.40	189.06	191.85	134.60	124.60	67.30	Bedrock (Limestone)	03/10/2020
PZ-25	Downgradient	524492.60	2306152.00	168.24	171.14	118.20	108.20	62.90	Bedrock (Limestone)	07/20/2016
PZ-31	Upgradient	526996.30	2306857.60	180.32	182.96	133.30	123.30	59.60	Bedrock (Limestone)	10/13/2016
PZ-32	Upgradient	526078.70	2307723.70	178.19	180.75	126.20	116.20	64.60	Bedrock (Limestone)	10/12/2016
PZ-33	Downgradient	522212.60	2307233.90	187.08	189.61	126.70	116.70	72.90	Bedrock (Limestone)	10/01/2016
PZ-57	Downgradient	522849.90	2306107.50	166.50	169.35	106.96	96.96	72.80	Bedrock (Limestone)	11/04/2021
PIEZOMETERS										
MW-101	Downgradient	524507.70	2306160.30	168.14	170.93	154.80	145.30	26.30	Overburden (Sand and Clay)	02/14/1995
MW-102	Downgradient	524508.20	2306153.60	168.10	170.93	132.00	122.80	48.70	Bedrock (Limestone)	02/22/1995
MW-116	Downgradient	523649.90	2306082.50	168.93	171.69	100.70	94.30	77.80	Bedrock (Limestone)	02/23/1995
MW-120	Downgradient	525213.70	2307102.30	191.03	193.79	152.43	143.33	51.10	Overburden (Clay)/Bedrock (Limestone)	02/24/1995
PZ-1S	Upgradient	526354.80	2307357.90	193.43	196.52	145.83	135.83	61.10	Overburden (Sandy Clay-Clay)	06/11/2014
PZ-2S	Upgradient	526066.70	2308163.40	175.63	178.61	131.60	121.60	57.50	Overburden (Sandy Clay)	06/10/2014
PZ-3D	Upgradient	525373.20	2307918.10	188.08	190.98	110.50	100.50	90.90	Bedrock (Limestone)	05/28/2014
PZ-3S	Upgradient	525363.50	2307920.20	188.14	191.12	138.54	128.54	63.00	Overburden (Sand-Clayey Sand)	05/28/2014
PZ-4D	Downgradient	524198.20	2308009.50	188.25	191.10	142.70	132.70	58.90	Bedrock (Limestone)	05/29/2014
PZ-4S	Downgradient	524190.10	2308006.30	188.42	191.20	163.82	153.82	37.80	Overburden (Clayey Sand-Sandy Clay)	05/29/2014
PZ-6S	Downgradient	522254.00	2307207.50	186.52	189.47	148.90	138.90	51.20	Overburden (Clay)	06/13/2014
PZ-7S	Downgradient	521422.20	2306004.10	170.10	173.10	146.50	136.50	37.00	Overburden (Clay)	06/03/2014
PZ-8D	Downgradient	521442.10	2305207.90	167.24	170.35	100.60	90.60	80.10	Bedrock (Limestone)	06/05/2014

TABLE 1
SUMMARY of DETECTION MONITORING WELL and PIEZOMETER CONSTRUCTION DATA
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

Well ID	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet NAVD88) [2]	Top of Casing Elevation (feet NAVD88) [2]	Top of Screen Elevation (feet NAVD88) [2][3]	Bottom of Screen Elevation (feet NAVD88) [2][3]	Total Well Depth on Construction Log (feet below land surface)	Lithology Screened	Installation Date
PIEZOMETERS										
PZ-8S	Downgradient	521438.00	2305218.80	167.67	170.78	142.87	132.87	38.10	Overburden (Sand)	06/05/2014
PZ-9D	Downgradient	521770.90	2305127.50	163.18	166.16	126.60	116.60	50.00	Bedrock (Limestone)	06/04/2014
PZ-9S	Downgradient	521761.70	2305127.00	163.06	166.02	145.46	135.46	31.00	Overburden (Sand)/Bedrock (Limestone)	06/05/2014
PZ-10S	Downgradient	522465.80	2305401.60	172.64	175.63	137.00	127.00	49.00	Bedrock (Limestone)	06/03/2014
PZ-12S	Downgradient	523794.90	2305676.80	170.93	173.92	133.30	123.30	51.00	Bedrock (Limestone)	06/04/2014
PZ-13S	Downgradient	524467.60	2305807.80	170.23	173.22	132.60	122.60	51.80	Overburden (Sandy Clay)	06/06/2014
PZ-20	Downgradient	524025.00	2306152.60	170.62	173.44	121.10	111.10	62.80	Bedrock (Limestone)	07/14/2016
PZ-21	Downgradient	524639.50	2306932.00	177.08	179.84	117.10	107.10	72.80	Bedrock (Limestone)	07/29/2016
PZ-22	Downgradient	524622.40	2307749.00	184.76	187.69	134.80	124.80	62.90	Bedrock (Limestone)	07/28/2016
PZ-24A	Downgradient	523151.80	2307445.90	192.25	194.97	142.30	132.30	62.70	Bedrock (Limestone)	03/06/2020
PZ-27	Downgradient	522440.40	2305235.10	161.88	164.58	123.60	113.60	51.00	Bedrock (Limestone)	10/04/2016
PZ-28	Downgradient	522953.90	2305347.30	163.49	165.96	126.50	116.50	49.50	Bedrock (Limestone)	10/13/2016
PZ-29	Downgradient	523857.80	2305593.00	170.42	173.18	123.90	113.90	59.30	Bedrock (Limestone)	10/04/2016

Notes:
(1) Coordinates are North American Datum of 1983 (NAD 83) (2011) Georgia State Plane, West Zone.
(2) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
(3) Screen elevations calculated using depth below land surface and ground surface elevations from the 6/15/2020 and 12/10/2021 surveys.
(4) Wells and piezometers were re-surveyed by McKim & Creed, Inc. on 6/15/2020 and well PZ-57 was surveyed on 12/10/2021.

TABLE 2
GROUNDWATER SAMPLING EVENTS
Georgia Power Company - Plant Mitchell
Ash Ponds A, 1, and 2
Dougherty and Mitchell Counties, Georgia

Well ID	Hydraulic Location	August 13-15, 2024	March 11-13, 2025	Status of Ash Ponds Detection Monitoring Wells
Purpose of Sampling Event		Assessment Event	Assessment Event	
Ash Ponds Detection Monitoring Well Network				
PZ-1D	Upgradient	X	X	Assessment Monitoring
PZ-2D	Upgradient	X	X	Assessment Monitoring
PZ-7D	Downgradient	X	X	Assessment Monitoring
PZ-14	Downgradient	X	X	Assessment Monitoring
PZ-15	Downgradient	X	X	Assessment Monitoring
PZ-16	Downgradient	X	X	Assessment Monitoring
PZ-17	Downgradient	X	X	Assessment Monitoring
PZ-18	Downgradient	X	X	Assessment Monitoring
PZ-19	Downgradient	X	X	Assessment Monitoring
PZ-23A	Downgradient	X	X	Assessment Monitoring
PZ-25	Downgradient	X	X	Assessment Monitoring
PZ-31	Upgradient	X	X	Assessment Monitoring
PZ-32	Upgradient	X	X	Assessment Monitoring
PZ-33	Downgradient	X	X	Assessment Monitoring
PZ-57	Downgradient	X	X	Assessment Monitoring

Notes:
1. X - indicates well sampled during event

TABLE 3
SUMMARY of GROUNDWATER ELEVATIONS
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

			August 2024		March 2025	
Well ID	Lithology Screened	Top of Casing Elevation (feet, NAVD88)[1]	Depth to Water (feet, below TOC)[2]	Groundwater Elevation (feet, NAVD88)[1]	Depth to Water (feet, below TOC)[2]	Groundwater Elevation (feet, NAVD88)[1]
DETECTION MONITORING WELLS						
PZ-1D	Bedrock (Limestone)	196.44	51.72	144.72	50.61	145.83
PZ-2D	Bedrock (Limestone)	178.51	35.27	143.24	33.95	144.56
PZ-7D	Bedrock (Limestone)	173.08	34.21	138.87	31.28	141.80
PZ-14	Bedrock (Limestone)	183.46	43.75	139.71	41.92	141.54
PZ-15	Bedrock (Limestone)	170.37	32.58	137.79	28.15	142.22
PZ-16	Bedrock (Limestone)	173.92	34.52	139.40	32.69	141.23
PZ-17	Bedrock (Limestone)	172.91	33.43	139.48	30.68	142.23
PZ-18	Bedrock (Limestone)	170.11	31.16	138.95	27.97	142.14
PZ-19	Bedrock (Limestone)	172.05	32.88	139.17	30.03	142.02
PZ-23A	Bedrock (Limestone)	191.85	50.21	141.64	49.21	142.64
PZ-25	Bedrock (Limestone)	171.14	31.93	139.21	27.90	143.24
PZ-31	Bedrock (Limestone)	182.96	38.68	144.28	37.32	145.64
PZ-32	Bedrock (Limestone)	180.75	37.14	143.61	36.12	144.63
PZ-33	Bedrock (Limestone)	189.61	49.57	140.04	47.79	141.82
PZ-57	Bedrock (Limestone)	169.35	30.33	139.02	27.26	142.09
PIEZOMETERS						
MW-101	Overburden (Sand and Clay)	170.93	17.95	152.98	10.77	160.16
MW-102	Bedrock (Limestone)	170.93	31.68	139.25	27.68	143.25
MW-116	Bedrock (Limestone)	171.69	32.72	138.97	29.54	142.15
MW-120	Overburden (Clay)/Bedrock (Limestone)	193.79	Dry	Dry	Dry	Dry
PZ-1S	Overburden (Sandy Clay-Clay)	196.52	34.93	161.59	38.70	157.82
PZ-2S	Overburden (Sandy Clay)	178.61	35.28	143.33	34.05	144.56
PZ-3D	Bedrock (Limestone)	190.98	48.08	142.90	46.48	144.50
PZ-3S	Overburden (Sand-Clayey Sand)	191.12	44.00	147.12	44.21	146.91
PZ-4D	Bedrock (Limestone)	191.10	49.14	141.96	48.35	142.75
PZ-4S	Overburden (Clayey Sand-Sandy Clay)	191.20	26.95	164.25	27.40	163.80
PZ-6S	Overburden (Clay)	189.47	18.38	171.09	20.36	169.11
PZ-7S	Overburden (Clay)	173.10	34.15	138.95	31.21	141.89
PZ-8D	Bedrock (Limestone)	170.35	32.83	137.52	28.15	142.20
PZ-8S	Overburden (Sand)	170.78	27.48	143.30	28.59	142.19
PZ-9D	Bedrock (Limestone)	166.16	28.30	137.86	24.25	141.91
PZ-9S	Overburden (Sand)/Bedrock (Limestone)	166.02	27.79	138.23	23.92	142.10
PZ-10S	Bedrock (Limestone)	175.63	35.95	139.68	34.41	141.22
PZ-12S	Bedrock (Limestone)	173.92	35.67	138.25	31.91	142.01
PZ-13S	Overburden (Sandy Clay)	173.22	34.18	139.04	30.72	142.50
PZ-20	Bedrock (Limestone)	173.44	34.41	139.03	31.07	142.37
PZ-21	Bedrock (Limestone)	179.84	39.42	140.42	36.88	142.96
PZ-22	Bedrock (Limestone)	187.69	45.93	141.76	44.49	143.20
PZ-24A	Bedrock (Limestone)	194.97	54.38	140.59	52.96	142.01
PZ-27	Bedrock (Limestone)	164.58	25.54	139.04	23.23	141.35
PZ-28	Bedrock (Limestone)	165.96	26.42	139.54	24.28	141.68
PZ-29	Bedrock (Limestone)	173.18	35.19	137.99	31.13	142.05

Notes:
(1) NAVD88 indicates feet in elevation referenced to the North American Vertical Datum 1988.
Elevations are from June 15, 2020 re-survey of the monitoring wells and piezometers and well PZ-57 survey on December 10, 2021 by McKim & Creed, Inc.
(2) TOC - Top of Casing
(3) Groundwater elevations for 2024-2025 are calculated using TOC elevations from the June 15, 2020 re-survey.
(4) Groundwater elevations of wells and piezometers screened in the bedrock were used to generate potentiometric contours on the potentiometric maps.
(5) Dry - no measurable groundwater in well casing

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS - AUGUST 2024 AND MARCH 2025
Georgia Power Company - Plant Mitchell
Ash Ponds A, 1, and 2
Dougherty and Mitchell Counties, Georgia

Gauging Event	Lithology Screened	Well Pairs	Groundwater Elevations in Well Pairs (feet)		Change in Elevation (Δ h) (feet)	Distance Between Well 1 and Well 2 (Δ l) (feet)	Hydraulic Gradient (i=Δ h / Δ l) (feet/feet)	Estimated Hydraulic Conductivity (K) for Uppermost Aquifer (feet/day) [1]	Estimated Effective Porosity [2] (n_e)	Calculated Groundwater Flow Velocity (V) [4] (feet/day)	Calculated Groundwater Flow Velocity (V) [4] (feet/year)
August 2024	Bedrock (Limestone)	PZ-1D to PZ-01R	144.72	139.45	5.27	2143	0.0025	3.04	0.20	0.04	14
August 2024	Bedrock (Limestone)	PZ-23A to PZ-18	141.64	138.95	2.69	1743	0.0015	3.04	0.20	0.02	9
August 2024	Bedrock (Limestone)	PZ-25 to PZ-29	139.21	137.99	1.22	868	0.0014	3.04	0.20	0.02	8
March 2025	Bedrock (Limestone)	PZ-1D to PZ-20	145.83	142.37	3.46	2637	0.0013	3.04	0.20	0.02	7
March 2025	Bedrock (Limestone)	PZ-25 to PZ-29	143.24	142.05	1.19	868	0.0014	3.04	0.20	0.02	8
March 2025	Bedrock (Limestone)	PZ-22 to PZ-24A	143.20	142.01	1.19	1517	0.0008	3.04	0.20	0.01	4

Notes:
(1) In-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from 1.08 to 5.81 feet/day with an average of 3.04 feet/day.
(2) Effective porosity of 20% was selected for Ocala Limestone from Hydrology and Model Evaluation of the Principal Artesian Aquifer, Dougherty Plain, Southwest Georgia: Georgia Geologic Survey Bulletin 97 (Hayes, L.R., Maslia, M.L., Meeks, W.C., 1983)
(3) Δ h = Change in groundwater elevation; Δ l = Distance between wells in direction of flow path; i = Δ h / Δ l Hydraulic Gradient
(4) Groundwater flow velocity equation: $V = (K * i)/n_e$

TABLE 5
GROUNDWATER ANALYTICAL DATA SUMMARY
AUGUST 2024 and MARCH 2025
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

	Sample Location	PZ-1D	PZ-1D	PZ-2D	PZ-2D	PZ-7D	PZ-7D	PZ-14	PZ-14
	Sample Date	08/13/2024	03/11/2025	08/13/2024	03/11/2025	08/15/2024	03/13/2025	08/14/2024	03/12/2025
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	< 0.012	0.010 J	0.017 J	0.013 J	0.19	0.18	0.035 J	0.029 J
Calcium	mg/L	48.5	47.9	14.5	20.8	104	95.8	100	100
Chloride	mg/L	2.9	3.1	2.4	2.6	3.3	3.1	4.4	4.6
Fluoride	mg/L	< 0.050	< 0.050	0.083 J	0.052 J	< 0.050	< 0.050	< 0.050	< 0.050
pH, Field	SU	7.46	7.42	9.20	8.20	7.05	7.12	7.11	7.11
Sulfate	mg/L	2.5	1.8	3.3	2.2	39.0	34.9	17.3	13.9
TDS	mg/L	163	161	69.0	82.0	350	316	284	304
APPENDIX IV									
Antimony	mg/L	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.00084	< 0.0012	0.0012 J	< 0.0012	0.0012 J	< 0.0012	< 0.00084	< 0.0012
Barium	mg/L	0.012	0.013	0.0025 J	0.0043 J	0.0055	0.0064	0.013	0.015
Beryllium	mg/L	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00010	0.00016 J	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012
Chromium	mg/L	< 0.0019	< 0.0012	0.0079	0.0068	0.0026 J	0.0021 J	< 0.0019	0.0015 J
Cobalt	mg/L	< 0.00032	< 0.0012	< 0.00032	< 0.0012	< 0.00032	< 0.0012	< 0.00032	< 0.0012
Lead	mg/L	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025
Lithium	mg/L	< 0.0016	< 0.000600	< 0.0016	0.00145 J	0.0025 J	0.00215 J	< 0.0016	0.00112 J
Mercury	mg/L	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091
Molybdenum	mg/L	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025
Combined Radium 226 + 228	pCi/L	0.000 U	0.417 U	0.159 U	0.777 U	0.591 U	0.253 U	0.0710 U	0.923 U
Selenium	mg/L	< 0.00096	< 0.0012	< 0.00096	< 0.0012	0.0011 J	< 0.0012	< 0.00096	< 0.0012
Thallium	mg/L	< 0.00038	< 0.00015	< 0.00038	< 0.00015	< 0.00038	< 0.00015	< 0.00038	< 0.00015
Fluoride	mg/L	< 0.050	< 0.050	0.083 J	0.052 J	< 0.050	< 0.050	< 0.050	< 0.050

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data are displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
GROUNDWATER ANALYTICAL DATA SUMMARY
AUGUST 2024 and MARCH 2025
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

	Sample Location	PZ-15	PZ-15	PZ-16	PZ-16	PZ-17	PZ-17	PZ-18	PZ-18
	Sample Date	08/14/2024	03/13/2025	08/14/2024	3/12/2025	08/15/2024	03/12/2025	08/14/2024	03/12/2025
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	0.18	0.20	0.19	0.20	0.053	0.079	0.37	0.41
Calcium	mg/L	98.0	92.8	97.5	93.4	71.2	74.6	139	142
Chloride	mg/L	6.1	5.6	5.9	6.1	1.3	1.8	4.2	4.3
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
pH, Field	SU	7.11	7.16	7.15	7.18	7.35	7.38	6.92	6.96
Sulfate	mg/L	78.4	72.6	38.8	37.8	18.3	31.5	94.3	89.9
TDS	mg/L	342	329	311	328	245	252	468	475
APPENDIX IV									
Antimony	mg/L	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.00084	< 0.0012	< 0.00084	< 0.0012	< 0.00084	< 0.0012	< 0.00084	< 0.0012
Barium	mg/L	0.046	0.059	0.036	0.040	0.045	0.050	0.025	0.034
Beryllium	mg/L	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012
Chromium	mg/L	< 0.0019	< 0.0012	< 0.0019	0.0013 J	< 0.0019	< 0.0012	< 0.0019	< 0.0012
Cobalt	mg/L	< 0.00032	< 0.0012	< 0.00032	< 0.0012	< 0.00032	< 0.0012	< 0.00032	< 0.0012
Lead	mg/L	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025
Lithium	mg/L	< 0.0016	0.00121 J	< 0.0016	0.00130 J	< 0.0016	0.00101 J	0.0041 J	0.00579 J
Mercury	mg/L	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091
Molybdenum	mg/L	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025
Combined Radium 226 + 228	pCi/L	0.747 U	0.832 U	0.937 U	0.730 U	0.846 U	0.734 U	0.365 U	0.325 U
Selenium	mg/L	< 0.00096	< 0.0012	< 0.00096	< 0.0012	< 0.00096	< 0.0012	< 0.00096	0.0014 J
Thallium	mg/L	< 0.00038	< 0.00015	< 0.00038	< 0.00015	< 0.00038	0.00035 J	< 0.00038	< 0.00015
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data are displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
GROUNDWATER ANALYTICAL DATA SUMMARY
AUGUST 2024 and MARCH 2025
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

	Sample Location	PZ-19	PZ-19	PZ-23A	PZ-23A	PZ-25	PZ-25	PZ-31	PZ-31
	Sample Date	08/14/2024	03/12/2025	08/14/2024	03/13/2025	08/13/2024	03/12/2025	8/13/2024	03/11/2025
ANALYTE	UNITS								
APPENDIX III									
Boron	mg/L	0.35	0.66	0.16	0.14	0.18	0.19	< 0.012	0.0093 J
Calcium	mg/L	118	137	141	137	88.7	90.7	93.2	92.3
Chloride	mg/L	2.5	4.3	2.8	3.3	1.6	1.8	3.2	3.5
Fluoride	mg/L	0.065 J	0.055 J	< 0.050	< 0.050	0.12	0.13	< 0.050	< 0.050
pH, Field	SU	6.90	6.74	6.75	6.79	7.06	7.12	7.12	7.08
Sulfate	mg/L	61.7	79.8	43.4	33.3	34.8	35.3	0.80 J	0.56 J
TDS	mg/L	436	538	436	435	273	298	263	259
APPENDIX IV									
Antimony	mg/L	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.00084	< 0.0012	0.00089 J	< 0.0012	< 0.00084	< 0.0012	< 0.00084	< 0.0012
Barium	mg/L	0.048	0.050	0.036	0.038	0.11	0.097	0.0071	0.0080
Beryllium	mg/L	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012
Chromium	mg/L	< 0.0019	< 0.0012	< 0.0019	0.0028 J	< 0.0019	< 0.0012	< 0.0019	0.0015 J
Cobalt	mg/L	< 0.00032	< 0.0012	< 0.00032	< 0.0012	0.0021 J	< 0.0012	< 0.00032	< 0.0012
Lead	mg/L	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025
Lithium	mg/L	0.012 J	0.0157 J	< 0.0016	< 0.000600	0.0064 J	0.00835 J	< 0.0016	0.00226 J
Mercury	mg/L	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091
Molybdenum	mg/L	0.0023 J	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025
Combined Radium 226 + 228	pCi/L	0.684 U	0.426 U	1.15 U	0.162 U	0.818 U	0.379 U	0.334 U	0.631 U
Selenium	mg/L	0.0053	0.0022 J	0.0019 J	0.0017 J	< 0.00096	< 0.0012	< 0.00096	< 0.0012
Thallium	mg/L	0.00045 J	0.00054 J	< 0.00038	< 0.00015	0.00080 J	0.00075 J	< 0.00038	< 0.00015
Fluoride	mg/L	0.065 J	0.055 J	< 0.050	< 0.050	0.12	0.13	< 0.050	< 0.050

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data are displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
GROUNDWATER ANALYTICAL DATA SUMMARY
AUGUST 2024 and MARCH 2025
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

	Sample Location	PZ-32	PZ-32	PZ-33	PZ-33	PZ-57	PZ-57
	Sample Date	08/13/2024	03/12/2025	08/15/2024	3/13/2025	08/15/2024	03/13/2025
ANALYTE	UNITS						
APPENDIX III							
Boron	mg/L	0.017 J	0.014 J	0.35	0.34	0.18	0.18
Calcium	mg/L	67.6	66.8	99.2	97.8	98.3	96.3
Chloride	mg/L	2.5	2.6	2.9	3.0	2.0	1.9
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
pH, Field	SU	7.33	7.31	7.07	7.07	7.10	7.13
Sulfate	mg/L	1.7	1.6	31.6	31.3	59.7	56.8
TDS	mg/L	187	200	341	323	348	321
APPENDIX IV							
Antimony	mg/L	< 0.00054	< 0.00050	< 0.00054	< 0.00050	< 0.00054	< 0.00050
Arsenic	mg/L	< 0.00084	< 0.0012	0.0013 J	< 0.0012	0.00086 J	< 0.0012
Barium	mg/L	0.014	0.016	0.041	0.045	0.048	0.053
Beryllium	mg/L	< 0.000094	< 0.00015	< 0.000094	< 0.00015	< 0.000094	< 0.00015
Cadmium	mg/L	< 0.00010	< 0.00012	< 0.00010	< 0.00012	< 0.00010	< 0.00012
Chromium	mg/L	< 0.0019	< 0.0012	< 0.0019	< 0.0012	0.0044 J	0.0059
Cobalt	mg/L	< 0.00032	< 0.0012	< 0.00032	< 0.0012	< 0.00032	< 0.0012
Lead	mg/L	< 0.00016	< 0.00025	< 0.00016	< 0.00025	< 0.00016	< 0.00025
Lithium	mg/L	< 0.0016	< 0.000600	< 0.0016	< 0.000600	< 0.0016	0.000708 J
Mercury	mg/L	< 0.00013	< 0.000091	< 0.00013	< 0.000091	< 0.00013	< 0.000091
Molybdenum	mg/L	< 0.00062	< 0.0025	< 0.00062	< 0.0025	< 0.00062	< 0.0025
Combined Radium 226 + 228	pCi/L	0.394 U	0.281 U	0.387 U	0.519 U	0.800 U	0.512 U
Selenium	mg/L	< 0.00096	< 0.0012	< 0.00096	< 0.0012	0.0010 J	< 0.0012
Thallium	mg/L	< 0.00038	< 0.00015	< 0.00038	< 0.00015	< 0.00038	< 0.00015
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. TDS - Total Dissolved Solids
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data are displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 6
STATISTICAL METHOD SUMMARY
Georgia Power Company - Plant Mitchell
Ash Ponds A, 1, and 2
Dougherty and Mitchell, Georgia

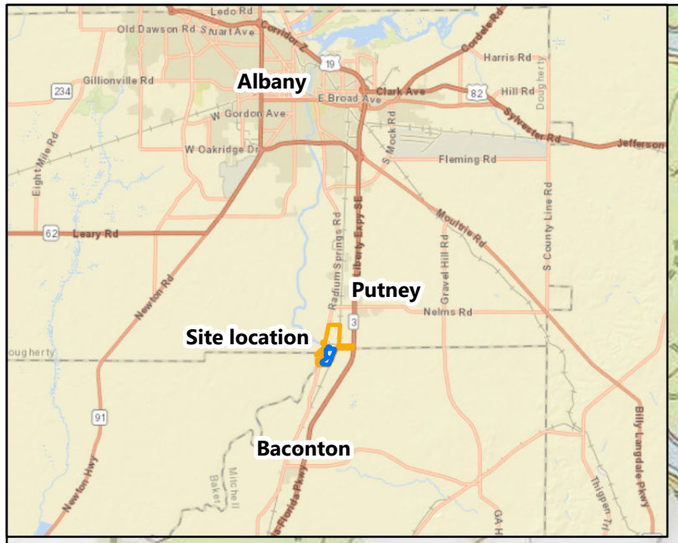
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available.
	Statistical Limits	Interwell statistical limits will be applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance.
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable. Non-parametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	Management of Non-Detects	When data contain less than 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory. When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters containing 100% non-detects (US EPA Unified Guidance, 2009, Chapter 6).
	Verification Re-sample Plan	Optional 1-of-2 with minimum of 8 samples per well for interwell testing.
	Optional	▪ Initial statistical exceedance warrants optional independent re-sampling within 90 days. ▪ If re-sample passes, well/parameter is not a confirmed statistically significant increase (SSI). ▪ If re-sample exceeds, well/parameter has a confirmed SSI. ▪ If no re-sample is collected, the original result is deemed verified.

TABLE 7
SUMMARY of BACKGROUND LEVELS and GWPS
Georgia Power Company
Plant Mitchell - Ash Ponds A, 1 and 2
Mitchell and Dougherty Counties, Georgia

Antimony	mg/L	US EPA MCL	Federal CCR Rule 40 CFR § 257.95 (h) [1]	AP- A, 1 and 2 Background August 2024	AP- A, 1 and 2 GWPS [4] August 2024	AP- A, 1 and 2 Background March 2025	AP- A, 1 and 2 GWPS [4] March 2025
Arsenic	mg/L	0.01		0.005	0.01	0.005	0.01
Barium	mg/L	2.0		0.044	2.0	0.042	2.0
Beryllium	mg/L	0.004		0.0005	0.004	0.0005	0.004
Cadmium	mg/L	0.005		0.0005	0.005	0.0005	0.005
Chromium	mg/L	0.1		0.011	0.1	0.011	0.1
Cobalt [2]	mg/L		0.006	0.005	0.006	0.005	0.006
Combined Radium 226 + 228	pCi/L	5.0		1.598	5.0	1.552	5.0
Fluoride	mg/L	4.0		0.29	4.0	0.29	4.0
Lead [2] [3]	mg/L		0.015	0.001	0.015	0.001	0.015
Lithium [2]	mg/L		0.04	0.03	0.04	0.03	0.04
Mercury	mg/L	0.002		0.0002	0.002	0.0002	0.002
Molybdenum [2]	mg/L		0.1	0.01	0.1	0.01	0.1
Selenium	mg/L	0.05		0.005	0.05	0.005	0.05
Thallium	mg/L	0.002		0.001	0.002	0.001	0.002

Notes:
mg/L - milligrams per liter
pCi/L - picoCuries per liter
CCR - coal combustion residuals
MCL - Maximum Contaminant Level
GWPS - Groundwater Protection Standard
US EPA - United States Environmental Protection Agency
Combined Radium data are a combination of radium isotopes 226 and 228.
(1) Federal CCR Rule 40 CFR § 257.95 (h) Amendment July 30, 2018 lists levels for cobalt, lead, lithium, and molybdenum.
(2) Constituent without an established MCL.
(3) The value listed is the established US EPA Action Level for lead in drinking water.
(4) Georgia EPD has incorporated the Federal CCR Rule for GWPS into the current GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). As described in the updated Rules, the GWPS is:
(i) the MCL
(ii) where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
(iii) the respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule specified GWPS

FIGURES



N

Blue Hole Spring

Goat Island

Gaging Station

Powerplant

River Bend

Roadside Park

Mt Calvary Ch

DOUGHERTY CO
BAKER CO

DOUGHERTY CO
MITCHELL CO

MITCHELL CO

BLUE SPRINGS

STAGECOACH

ROAD

Dry Creek

BR 190

BM 167

Legend

- Ponds 1 and 2
- Approximate Property Boundary
- Pond A

0 1,500 3,000 Feet

Service Layer Credits: World Street Map: Esri, HERE, Garmin, NGA, USGS, NPS
USA_Topo_Maps: Copyright:© 2013 National Geographic Society, i-cubed

Georgia Power Company - Plant Mitchell
Ash Ponds A, 1 and 2 -
Mitchell and Dougherty Counties, Georgia

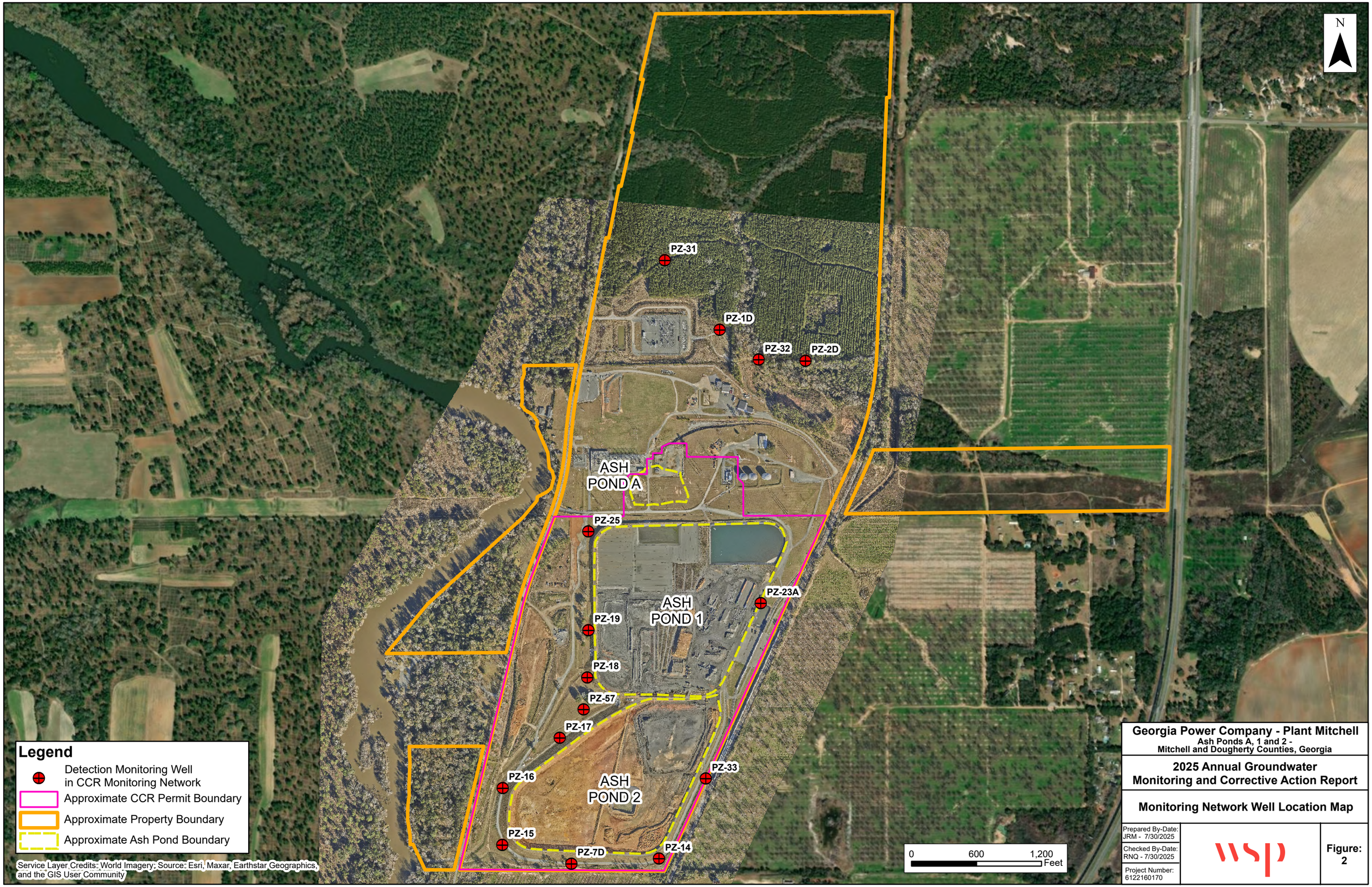
2025 Annual Groundwater Monitoring and Corrective Action Report

Site Location Map

Prepared By-Date: JRM - 5/6/2025	
Checked By-Date: JMQ - 5/6/2025	
Project Number: 6122160170	

wsp

Figure: 1



Georgia Power Company - Plant Mitchell
Ash Ponds A, 1 and 2 -
Mitchell and Dougherty Counties, Georgia

2025 Annual Groundwater Monitoring and Corrective Action Report

Monitoring Network Well Location Map

Prepared By-Date: JRM - 7/30/2025	
Checked By-Date: RNQ - 7/30/2025	
Project Number: 6122160170	

wsp

Figure: 2

Notes:
1. Piezometers (PZ-2S and PZ-6S) screened in the Overburden were not used to generate potentiometric contours.

2. August 2024 groundwater elevations calculated using top of well casing elevations from the June 2020 re-surveying.

N

PZ-31 144.28
PZ-1D 144.72
PZ-2S 143.33
PZ-32 143.61
PZ-2D 143.24
PZ-3D 142.90
ASH POND A
MW-102 139.25
PZ-21 140.42
PZ-22 141.76
PZ-25 139.21
PZ-4D 141.96
PZ-20 139.03
ASH POND 1
PZ-23A 141.64
PZ-29 137.99
PZ-12S 138.25
MW-116 138.97
PZ-19 139.17
PZ-18 138.95
PZ-24A 140.59
PZ-28 139.54
PZ-57 139.02
PZ-17 139.48
PZ-10S 139.68
PZ-27 139.04
ASH POND 2
PZ-6S 171.09
PZ-33 140.04
PZ-16 139.40
PZ-9D 137.86
PZ-15 137.79
PZ-14 139.71
PZ-8D 137.52
PZ-7D 138.87

144 143 142 141 140 139 138

Legend

- Detection Monitoring Well in the CCR Monitoring Network
- Groundwater Elevation Well (Piezometer) Screened in Bedrock
- Piezometer Screened in the Overburden
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (ft NAVD88)
- Approximate Property Boundary
- Approximate CCR Permit Boundary
- Approximate Ash Pond A Location

144.72 Groundwater Elevation (ft NAVD88)



0 600 1,200 Feet

Service Layer Credits: World Imagery: Maxar

Georgia Power Company - Plant Mitchell Ash Ponds A, 1 and 2 - Mitchell and Dougherty Counties, Georgia	
2025 Annual Groundwater Monitoring and Corrective Action Report	
Potentiometric Surface Map Upper Bedrock - August 12, 2024	
Prepared By-Date: SLH - 7/30/2025 Checked By-Date: RNQ - 7/30/2025 Project Number: 6122160170	wsp
	Figure: 3

Notes:
1. Piezometers (PZ-2S and PZ-6S) screened in the Overburden were not used to generate potentiometric contours.

2. March 2025 groundwater elevations calculated using top of well casing elevations from the June 2020 re-surveying.

PZ-31
145.64

PZ-1D
145.83

PZ-32
144.63

PZ-2D
144.56

PZ-2S
144.56

PZ-3D
144.50

ASH
POND A

PZ-21
142.96

PZ-22
143.20

MW-102
143.25

PZ-25
143.24

PZ-20
142.37

PZ-4D
142.75

PZ-29
142.05

PZ-12S
142.01

MW-116
142.15

PZ-19
142.02

ASH
POND 1

PZ-23A
142.64

PZ-18
142.14

PZ-24A
142.01

PZ-28
141.68

PZ-57
142.09

PZ-17
142.23

PZ-27
141.35

PZ-10S
141.22

ASH
POND 2

PZ-6S
169.11

PZ-16
141.23

PZ-33
141.82

PZ-9D
141.91

PZ-15
142.22

PZ-8D
142.20

PZ-7D
141.80

PZ-14
141.54

145 144 143 142

N

0 600 1,200 Feet

Legend

- Approximate Property Boundary
- Approximate CCR Permit Boundary
- Approximate Ash Pond A Location
- Detection Monitoring Well in the CCR Monitoring Network
- Groundwater Elevation Well (Piezometer) Screened in Bedrock
- Piezometer Screened in the Overburden
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (ft NAVD88)

145.83 Groundwater Elevation (ft NAVD88)

Service Layer Credits: World Imagery: Maxar

Georgia Power Company - Plant Mitchell
Ash Ponds A, 1 and 2 -
Mitchell and Dougherty Counties, Georgia

2025 Annual Groundwater Monitoring and Corrective Action Report

Potentiometric Surface Map
Upper Bedrock - March 10, 2025

Prepared By-Date: SLH - 7/30/2025	wsp	Figure: 4
Checked By-Date: RNQ - 7/30/2025		
Project Number: 6122160170		

APPENDIX A
WELL REPAIRS AND INSPECTIONS

APPENDIX A
WELL REPAIRS

MEMORANDUM

Date: December 27, 2024

To: Kristen Jurinko – Georgia Power

CC: Ben Hodges

From: WSP USA Environment & Infrastructure, Inc.

Subject: Plant Mitchell Ash Ponds A, 1, and 2 - Well Maintenance and Repair Documentation Georgia Power Company

---

WSP USA Environment & Infrastructure, Inc. (WSP) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT MITCHELL during the semi-annual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Mitchell Ash Ponds A, 1, & 2		PZ-1D, PZ-2D	Grass and weeds need cutting around wells. Grass and tree limbs need cutting back along trail to well. Maintenance to be completed.
Mitchell Ash Ponds A, 1, & 2		PZ-13S	Erosion starting around well pad. Repair to be completed.
Mitchell Ash Ponds A, 1, & 2		MW-113 (non-permit piezometer)	Well pad is cracked. Repair to be completed.
Mitchell Ash Ponds A, 1, & 2	8/12/2024	PZ-7D	Lock not working, replaced lock.
Mitchell Ash Ponds A, 1, & 2	8/12/2024	PZ-18, PZ-57	Rusty lock not opening, applied lubrication to lock
Mitchell Ash Ponds A, 1, & 2	8/12/2024	PZ-33	Added additional pea gravel to annular space in protective cover.

MEMORANDUM

Date: June 5, 2025

To: Kristen Jurinko – Georgia Power

CC: Ben Hodges

From: WSP USA, Inc.

Subject: Plant Mitchell Ash Ponds A, 1, and 2 - Well Maintenance and Repair Documentation
Georgia Power Company

WSP USA, Inc. (WSP) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT MITCHELL during the semi-annual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Mitchell Ash Ponds A, 1, & 2		PZ-6S	Potential sediment accumulation at bottom of well. Well was instrumented and could not be re-developed.
Mitchell Ash Ponds A, 1, & 2	6/3/2025	PZ-7S	Removed wasps at well casing
Mitchell Ash Ponds A, 1, & 2	6/2-6/2025	PZ-13S	Erosion starting around front of well pad. Soil graded around well pad to fill in erosion
Mitchell Ash Ponds A, 1, & 2	6/3/2025	PZ-8S, PZ-24A, PZ-17, PZ-18, PZ-57	Removed ants around bollard or well pad

APPENDIX A

WELL INSPECTIONS AUGUST 2024

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
MW-101	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes
MW-111	Yes	Yes	No*	Yes
MW-113	Yes	Yes	No*	Yes
MW-116	Yes	Yes	No*	Yes
MW-120	Yes	Yes	No*	Yes
PZ-1D	Yes	Yes	No*	Yes
PZ-1S	Yes	Yes	No*	Yes
PZ-01R	Yes	Yes	No*	Yes
PZ-2D	Yes	Yes	No*	Yes
PZ-2S	Yes	Yes	No*	Yes
PZ-3D	Yes	Yes	No*	Yes
PZ-3S	Yes	Yes	No*	Yes
PZ-4D	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	No*	Yes
PZ-7D	Yes	Yes	No*	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)___

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
PZ-7S	Yes	Yes	No*	Yes
PZ-8D	Yes	Yes	No*	Yes
PZ-8S	Yes	Yes	No*	Yes
PZ-9D	Yes	Yes	No*	Yes
PZ-9S	Yes	Yes	No*	Yes
PZ-10S	Yes	Yes	No*	Yes
PZ-12S	Yes	Yes	No*	Yes
PZ-13S	Yes	Yes	No*	Yes
PZ-14	Yes	Yes	No*	Yes
PZ-15	Yes	Yes	No*	Yes
PZ-16	Yes	Yes	No*	Yes
PZ-17	Yes	Yes	No*	Yes
PZ-18	Yes	Yes	No*	Yes
PZ-19	Yes	Yes	No*	Yes
PZ-20	Yes	Yes	No*	Yes
PZ-21	Yes	Yes	No*	Yes
PZ-22	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	No*	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
PZ-24A	Yes	Yes	No*	Yes
PZ-25	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	No*	Yes
PZ-28	Yes	Yes	No*	Yes
PZ-29	Yes	Yes	No*	Yes
PZ-31	Yes	Yes	No*	Yes
PZ-32	Yes	Yes	No*	Yes
PZ-33	Yes	Yes	No*	Yes
PZ-57	Yes	Yes	No*	Yes

Notes:
No* indicates the well is not located in a high traffic area and therefore does not reqire protection from traffic.
NA - criteria not applicable

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
MW-101	Yes	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes	Yes
MW-111	Yes	Yes	No	Yes	Yes
MW-113	Yes	Yes	Yes	Yes	Yes
MW-116	Yes	Yes	Yes	Yes	Yes
MW-120	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes
PZ-1S	Yes	Yes	Yes	Yes	Yes
PZ-01R	Yes	Yes	NA	NA	NA
PZ-2D	Yes	Yes	Yes	Yes	Yes
PZ-2S	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes
PZ-4D	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	Yes	Yes	Yes
PZ-7D	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

	Protective Casing				
Well ID:	**Free from apparent damage and able to be secured**	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
PZ-7S	Yes	Yes	Yes	Yes	Yes
PZ-8D	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes
PZ-9D	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	Yes	Yes	Yes
PZ-14	Yes	Yes	Yes	Yes	Yes
PZ-15	Yes	Yes	Yes	Yes	Yes
PZ-16	Yes	Yes	Yes	Yes	Yes
PZ-17	Yes	Yes	Yes	Yes	Yes
PZ-18	Yes	Yes	Yes	Yes	Yes
PZ-19	Yes	Yes	Yes	Yes	Yes
PZ-20	Yes	Yes	Yes	Yes	Yes
PZ-21	Yes	Yes	Yes	Yes	Yes
PZ-22	Yes	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
PZ-24A	Yes	Yes	Yes	Yes	Yes
PZ-25	Yes	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	Yes	Yes	Yes
PZ-28	Yes	Yes	Yes	Yes	Yes
PZ-29	Yes	Yes	Yes	No	Yes
PZ-31	Yes	Yes	Yes	Yes	Yes
PZ-32	Yes	Yes	Yes	Yes	Yes
PZ-33	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

	Surface Pad			Internal Casing		
Well ID:	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
MW-101	Yes	Yes	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes	Yes	Yes
MW-111	Yes	Yes	Yes	Yes	Yes	Yes
MW-113	No	Yes	Yes	Yes	Yes	Yes
MW-116	Yes	Yes	Yes	Yes	Yes	Yes
MW-120	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-01R	NA	NA	NA	Yes	Yes	Yes
PZ-2D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-2S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-7D	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

	Surface Pad			Internal Casing		
Well ID:	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
PZ-7S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-8D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-9D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	No	Yes	Yes	Yes
PZ-14	Yes	Yes	Yes	Yes	Yes	Yes
PZ-15	Yes	Yes	Yes	Yes	Yes	Yes
PZ-16	Yes	Yes	Yes	Yes	Yes	Yes
PZ-17	Yes	Yes	Yes	Yes	Yes	Yes
PZ-18	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19	Yes	Yes	Yes	Yes	Yes	Yes
PZ-20	Yes	Yes	Yes	Yes	Yes	Yes
PZ-21	Yes	Yes	Yes	Yes	Yes	Yes
PZ-22	Yes	Yes	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

	Surface Pad			Internal Casing		
Well ID:	**Good condition (not cracked/ broken)**	**Sloped away from the protective casing**	**In complete contact with the ground surface and stable**	**Cap prevents entry of foreign material into the well**	**Free of kinks/bends, or any obstructions from foreign objects (such as bailers)**	**Properly vented for equilibration of air pressure**
PZ-24A	Yes	Yes	Yes	Yes	Yes	Yes
PZ-25	Yes	Yes	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	Yes	Yes	Yes	Yes
PZ-28	Yes	Yes	Yes	Yes	Yes	Yes
PZ-29	Yes	Yes	Yes	Yes	Yes	Yes
PZ-31	Yes	Yes	Yes	Yes	Yes	Yes
PZ-32	Yes	Yes	Yes	Yes	Yes	Yes
PZ-33	Yes	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Corrective actions as needed, by date:	
MW-101		permit piezometer
MW-102		permit piezometer
MW-111		non-permit piezometer
MW-113	Well pad is cracked, needs repair or replacement. Re-attached well ID lettering to well casing.	non-permit piezometer
MW-116		permit piezometer
MW-120	well is dry	permit piezometer
PZ-1D	Weeds need cutting around well	permit monitoring well
PZ-1S	Weeds need cutting around well	permit piezometer
PZ-01R		non-permit piezometer
PZ-2D	Grass and tree limbs need cutting back along trail to well	permit monitoring well
PZ-2S	Grass and tree limbs need cutting back along trail to well	permit piezometer
PZ-3D		permit piezometer
PZ-3S	approximately 4 inches sediment at bottom of well	permit piezometer
PZ-4D		permit piezometer
PZ-4S		permit piezometer
PZ-6S		permit piezometer
PZ-7D	Lock not working, replaced lock	permit monitoring well

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Corrective actions as needed, by date:	
PZ-7S		permit piezometer
PZ-8D		permit piezometer
PZ-8S		permit piezometer
PZ-9D		permit piezometer
PZ-9S		permit piezometer
PZ-10S		non-permit piezometer
PZ-12S		permit piezometer
PZ-13S	Some erosion starting around well pad from construction	permit piezometer
PZ-14		permit monitoring well
PZ-15		permit monitoring well
PZ-16		permit monitoring well
PZ-17		permit monitoring well
PZ-18	Rusty lock, applied lubrication to lock	permit monitoring well
PZ-19		permit monitoring well
PZ-20		permit piezometer
PZ-21		permit piezometer
PZ-22		permit piezometer
PZ-23A		permit monitoring well

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 8/12/2024

Field Conditions: Hot and humid

Well ID:	Corrective actions as needed, by date:	
PZ-24A		permit piezometer
PZ-25		permit monitoring well
PZ-27		permit piezometer
PZ-28		permit piezometer
PZ-29		permit piezometer
PZ-31	Grass needs cutting around well	permit monitoring well
PZ-32	Weeds need cutting back along trail to well	permit monitoring well
PZ-33	Added additional pea gravel to protective casing	permit monitoring well
PZ-57	Rusty lock, applied lubrication to lock	permit monitoring well

APPENDIX A

WELL INSPECTIONS MARCH 2025

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
MW-101	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes
MW-116	Yes	Yes	No*	Yes
MW-120	Yes	Yes	No*	Yes
PZ-1D	Yes	Yes	No*	Yes
PZ-1S	Yes	Yes	No*	Yes
PZ-2D	Yes	Yes	No*	Yes
PZ-2S	Yes	Yes	No*	Yes
PZ-3D	Yes	Yes	No*	Yes
PZ-3S	Yes	Yes	No*	Yes
PZ-4D	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	No*	Yes
PZ-7D	Yes	Yes	No*	Yes
PZ-7S	Yes	Yes	No*	Yes
PZ-8D	Yes	Yes	No*	Yes
PZ-8S	Yes	Yes	No*	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
PZ-9D	Yes	Yes	No*	Yes
PZ-9S	Yes	Yes	No*	Yes
PZ-10S	Yes	Yes	No*	Yes
PZ-12S	Yes	Yes	No*	Yes
PZ-13S	Yes	Yes	No*	Yes
PZ-14	Yes	Yes	No*	Yes
PZ-15	Yes	Yes	No*	Yes
PZ-16	Yes	Yes	No*	Yes
PZ-17	Yes	Yes	No*	Yes
PZ-18	Yes	Yes	No*	Yes
PZ-19	Yes	Yes	No*	Yes
PZ-20	Yes	Yes	No*	Yes
PZ-21	Yes	Yes	Yes	Yes
PZ-22	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	No*	Yes
PZ-24A	Yes	Yes	No*	Yes
PZ-25	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	No*	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Location/Identification			
	Visible and accessible	**Properly identified with correct well ID**	**Located in high traffic area; does the well require protection from traffic**	**Acceptable drainage around well (no standing water, not located in obvious drainage flow path)**
PZ-28	Yes	Yes	No*	Yes
PZ-29	Yes	Yes	No*	Yes
PZ-31	Yes	Yes	No*	Yes
PZ-32	Yes	Yes	No*	Yes
PZ-33	Yes	Yes	No*	Yes
PZ-57	Yes	Yes	No*	Yes

Notes:
No* indicates the well is not located in a high traffic area and therefore does not reqire protection from traffic.
NA - criteria not applicable

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
MW-101	Yes	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes	Yes
MW-116	Yes	Yes	Yes	Yes	Yes
MW-120	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes
PZ-1S	Yes	Yes	Yes	Yes	Yes
PZ-2D	Yes	Yes	Yes	Yes	Yes
PZ-2S	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes
PZ-4D	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	Yes	Yes	Yes
PZ-7D	Yes	Yes	Yes	Yes	Yes
PZ-7S	Yes	Yes	Yes	Yes	Yes
PZ-8D	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
PZ-9D	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	Yes	Yes	Yes
PZ-14	Yes	Yes	Yes	Yes	Yes
PZ-15	Yes	Yes	Yes	Yes	Yes
PZ-16	Yes	Yes	Yes	Yes	Yes
PZ-17	Yes	Yes	Yes	Yes	Yes
PZ-18	Yes	Yes	Yes	Yes	Yes
PZ-19	Yes	Yes	Yes	Yes	Yes
PZ-20	Yes	Yes	Yes	Yes	Yes
PZ-21	Yes	Yes	Yes	Yes	Yes
PZ-22	Yes	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	Yes	Yes	Yes
PZ-24A	Yes	Yes	Yes	Yes	Yes
PZ-25	Yes	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	**No degradation or deterioration**	**Functioning weep hole**	**Annular space clear of debris and water, or filled with pea gravel/sand**	**Locked and is the lock in good condition**
PZ-28	Yes	Yes	Yes	Yes	Yes
PZ-29	Yes	Yes	Yes	No	Yes
PZ-31	Yes	Yes	Yes	Yes	Yes
PZ-32	Yes	Yes	Yes	Yes	Yes
PZ-33	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
MW-101	Yes	Yes	Yes	Yes	Yes	Yes
MW-102	Yes	Yes	Yes	Yes	Yes	Yes
MW-116	Yes	Yes	Yes	Yes	Yes	Yes
MW-120	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-1S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-2D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-2S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-4S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-6S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-7D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-7S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-8D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-8S	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
PZ-9D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-9S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-10S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	No	Yes	Yes	Yes
PZ-14	Yes	Yes	Yes	Yes	Yes	Yes
PZ-15	Yes	Yes	Yes	Yes	Yes	Yes
PZ-16	Yes	Yes	Yes	Yes	Yes	Yes
PZ-17	Yes	Yes	Yes	Yes	Yes	Yes
PZ-18	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19	Yes	Yes	Yes	Yes	Yes	Yes
PZ-20	Yes	Yes	Yes	Yes	Yes	Yes
PZ-21	Yes	Yes	Yes	Yes	Yes	Yes
PZ-22	Yes	Yes	Yes	Yes	Yes	Yes
PZ-23A	Yes	Yes	Yes	Yes	Yes	Yes
PZ-24A	Yes	Yes	Yes	Yes	Yes	Yes
PZ-25	Yes	Yes	Yes	Yes	Yes	Yes
PZ-27	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
PZ-28	Yes	Yes	Yes	Yes	Yes	Yes
PZ-29	Yes	Yes	Yes	Yes	Yes	Yes
PZ-31	Yes	Yes	Yes	Yes	Yes	Yes
PZ-32	Yes	Yes	Yes	Yes	Yes	Yes
PZ-33	Yes	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Corrective actions as needed, by date:
MW-101	permit piezometer
MW-102	permit piezometer
MW-116	permit piezometer
MW-120	well is dry permit piezometer
PZ-1D	permit monitoring well
PZ-1S	permit piezometer
PZ-2D	permit monitoring well
PZ-2S	permit piezometer
PZ-3D	permit piezometer
PZ-3S	permit piezometer
PZ-4D	permit piezometer
PZ-4S	permit piezometer
PZ-6S	permit piezometer
PZ-7D	permit monitoring well
PZ-7S	permit piezometer
PZ-8D	permit piezometer
PZ-8S	permit piezometer

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Corrective actions as needed, by date:	
PZ-9D		permit piezometer
PZ-9S		permit piezometer
PZ-10S		non-permit piezometer
PZ-12S		permit piezometer
PZ-13S	Some erosion starting around front of well pad from nearby construction	permit piezometer
PZ-14		permit monitoring well
PZ-15		permit monitoring well
PZ-16		permit monitoring well
PZ-17		permit monitoring well
PZ-18		permit monitoring well
PZ-19		permit monitoring well
PZ-20		permit piezometer
PZ-21		permit piezometer
PZ-22		permit piezometer
PZ-23A		permit monitoring well
PZ-24A		permit piezometer
PZ-25		permit monitoring well
PZ-27		permit piezometer

Well Inspection

Site Name: Plant Mitchell AP-A, 1 and 2
Permit Number: 047-024D(CCR)

Date: 3/10/2025

Field Conditions: Clear

Well ID:	Corrective actions as needed, by date:
PZ-28	permit piezometer
PZ-29	permit piezometer
PZ-31	permit monitoring well
PZ-32	permit monitoring well
PZ-33	permit monitoring well
PZ-57	permit monitoring well

APPENDIX B

REPORT OF ABANDONMENT OF PIEZOMETER PZ-45

Report of Abandonment of Piezometer PZ-45

Georgia Power Company – Plant Mitchell

Permit No. 047-024D(CCR)

Prepared for:

Georgia Power

Atlanta, Georgia

12/13/2024

Professional Groundwater Scientist Certification

I certify that I am a qualified ground-water scientist in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01 who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete. In preparing this report, we have relied on information provided by Southern Company Services and Georgia Power.





Gregory J. Wrenn, P.E.
Registered Professional Engineer
Professional Engineer No. 025565

Date: *12/13/2024*

Rhonda N. Quinn, P.G.
Registered Professional Geologist
Georgia Registration No. 1031

Date: *12/13/2024*

Table of Contents

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2.0 PIEZOMETER ABANDONMENT 2
3.0 GENERAL REFERENCES 3

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Table 1 Summary of Piezometer Construction

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Figure 1 Location of Abandoned Piezometer PZ-45

List of Appendices

Appendix A Piezometer Construction and Abandonment Records

1.0 INTRODUCTION

This *Report of Abandonment of Piezometer PZ-45* was prepared to meet the requirements of Georgia Environmental Protection Division (EPD) Solid Waste Rules and provides details regarding the decommissioning of a piezometer located at Plant Mitchell in and around Ash Ponds 1 and 2 (AP-1 and AP-2).

The Georgia Power Company (GPC) Plant Mitchell is located on the boundary of Dougherty and Mitchell Counties off Radium Springs Road (Georgia Route 3), approximately two miles southwest of Putney and ten miles south of Albany, and east of the Flint River.

Construction activities associated with the ash removal and closure of AP-1 and AP-2 necessitated the abandonment of piezometers located downgradient of the former ash ponds. Piezometer PZ-45 was installed in 2016 for environmental investigations associated with the coal combustion residuals (CCR) program but was not included in the certified CCR groundwater monitoring or water level gauging network. Located outside of the Plant Mitchell CCR permit boundary, piezometer PZ-45 was no longer needed, and was identified for abandonment. Piezometer PZ-45 was scheduled for abandonment in September 2023 during a mobilization to abandon eight other piezometers (WSP 2023). At that time, PZ-45 could not be located. During the February 2024 semi-annual monitoring event when the ground-cover vegetation was dormant, PZ-45 was located. The flush-mounted piezometer was located about 35 to 40 feet in front of a utility pole on the left side of the driveway in front of the former house that was previously located on the property to the west of Ash Ponds 1 and 2. The construction details of the piezometer are summarized on **Table 1: Summary of Piezometer Construction**. **Figure 1: Location of Abandoned Piezometer PZ-45** shows the location of the piezometer. The well construction log for PZ-45 is included in **Appendix A: Piezometer Construction and Abandonment Records.**

2.0 PIEZOMETER ABANDONMENT

Piezometer PZ-45 (**Figure 1**) was abandoned following guidance in Georgia Water Well Standards Act (O.C.G.A. §12-5-120 through 138), Georgia Geologic Survey (GGS) Circular 13 (Grouting and Plugging of Domestic Water Wells in Georgia), and the U.S. EPA Region 4 Science and Ecosystem Support Division (SESD) guidance (SESDGUID-101-R2, Design and Installation of Monitoring Wells), dated January 16, 2018. The piezometer was abandoned under the direction of a Georgia Professional Geologist. The depth to groundwater and total depth of the piezometer was measured prior to its abandonment and recorded on the piezometer abandonment document presented in **Appendix A: Piezometer Construction and Abandonment Records**.

The piezometer was abandoned using a combination of bentonite chips and grout. The first step was filling the screened interval with bentonite chips and hydrating the chips. Next, bentonite/Portland cement grout was pumped into the 2-inch diameter PVC well casing from the bentonite chips up to the ground surface using the tremie method. The grout was prepared in accordance with the manufacturer's instructions. The grout was allowed to settle before proceeding further with well abandonment activities. The concrete pad and flush-mounted protective cover well vault were removed from the piezometer after grouting. The top 1.5 feet of PVC well casing was cut and removed to below ground surface. After the well pad and vault were removed, the resulting void was filled with the bentonite/Portland cement grout to within three inches of the ground surface. Grouting ceased when the grout mixture daylighted at the surface as visible grout, see **Appendix A.** Based on the grout volumes recorded, there were no grout losses.

3.0 GENERAL REFERENCES

Georgia Department of Natural Resources, Environmental Protection Division, Georgia Geological Survey, 1988, Grouting and Plugging of Domestic Water Wells in Georgia, Circular 13.

United States Environmental Protection Agency, Region 4 Science and Ecosystem Support Division, January 16, 2018. Operating Procedure for Design and Installation of Monitoring Wells. SESDGUID-101-R2.

United States Environmental Protection Agency, Region 4 Laboratory Services and Applied Science Division, June 22, 2020. Operating Procedure for Field Equipment Cleaning and Decontamination. LSASDPROC-205-R4.

WSP, 2023. *Report of Abandonment of Select Piezometers*, Georgia Power Company – Plant Mitchell, Ash Ponds a, 1, and 2, Putney, Georgia, November 10, 2023.

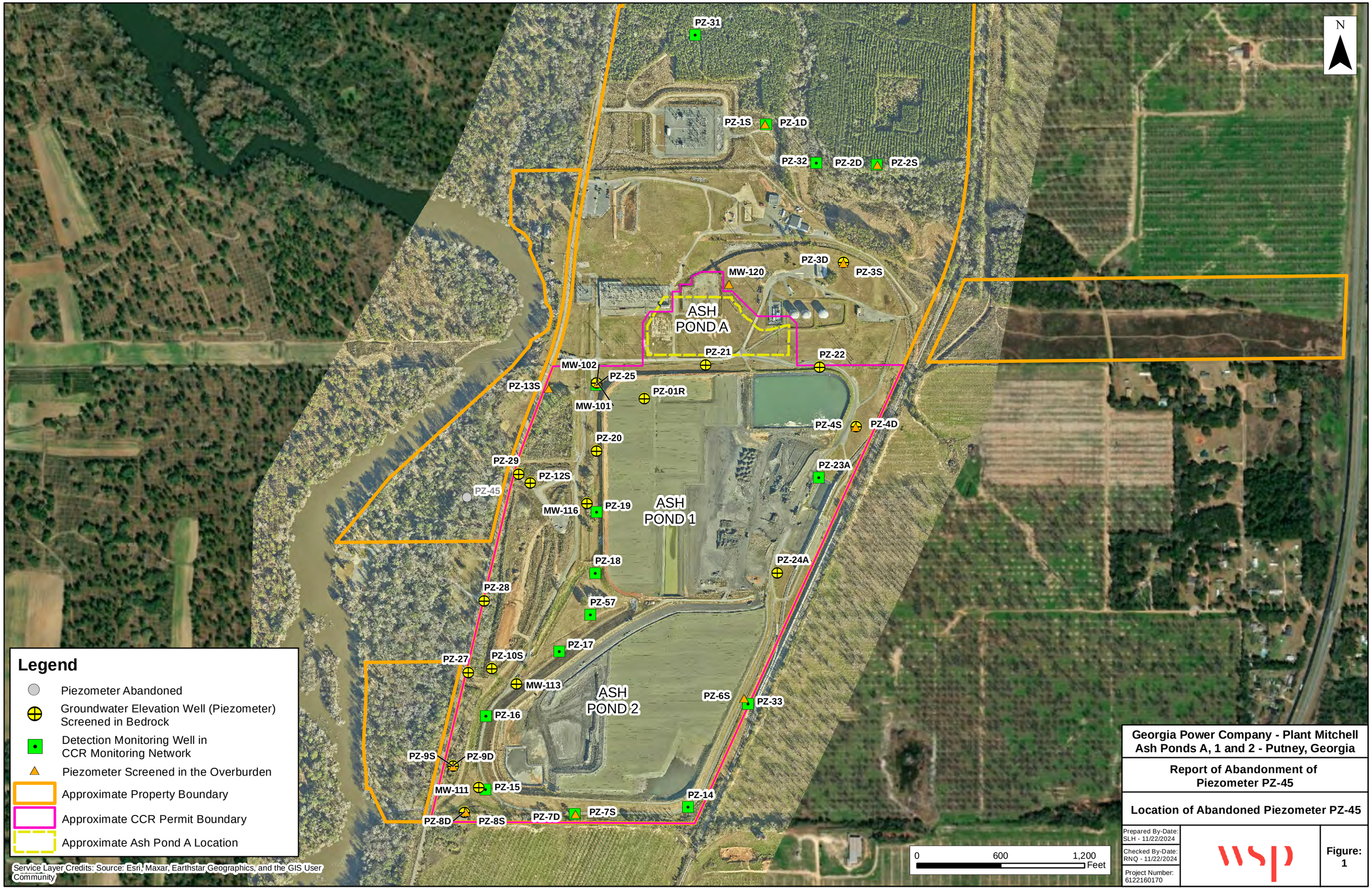
TABLE

TABLE 1
SUMMARY OF PIEZOMETER CONSTRUCTION
Georgia Power Company - Plant Mitchell
Ash Ponds A, 1 and 2
Putney, Georgia

Well	Installation Date	Northing [1] (feet NAD 83)	Easting [1] (feet NAD 83)	Top of Casing Elevation (feet NAVD88)[2]	Ground Surface Elevation (feet NAVD88)[2]	Screen Length (feet)	Total Well Depth on Construction Log (feet below land surface)	Hydraulic Location and Purpose	Date Abandoned Completed
PZ-45	11/14/2016	523691.3	2305224.5	185.71	182.89	10.0	49.0	Western Parcel - Downgradient	10/15/2024

Notes:
(1) Northing and Easting coordinates are in feet (ft) referenced to the North American Datum of 1983 (NAD 83) (2011) Georgia West Zone.
(2) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

FIGURE


N
PZ-31
PZ-1S
PZ-1D
PZ-32
PZ-2D
PZ-2S
PZ-3D
PZ-3S
MW-120
ASH
POND A
PZ-21
PZ-22
MW-102
PZ-25
PZ-13S
PZ-01R
MW-101
PZ-4S
PZ-4D
PZ-20
PZ-29
PZ-12S
PZ-45
PZ-23A
MW-116
PZ-19
ASH
POND 1
PZ-18
PZ-24A
PZ-28
PZ-57
PZ-17
PZ-27
PZ-10S
MW-113
ASH
POND 2
PZ-6S
PZ-33
PZ-16
PZ-9S
PZ-9D
MW-111
PZ-15
PZ-14
PZ-8D
PZ-8S
PZ-7D
PZ-7S
Legend
Piezometer Abandoned
Groundwater Elevation Well (Piezometer) Screened in Bedrock
Detection Monitoring Well in CCR Monitoring Network
Piezometer Screened in the Overburden
Approximate Property Boundary
Approximate CCR Permit Boundary
Approximate Ash Pond A Location
0
600
1,200
Feet
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Georgia Power Company - Plant Mitchell
Ash Ponds A, 1 and 2 - Putney, Georgia
Report of Abandonment of Piezometer PZ-45
Location of Abandoned Piezometer PZ-45
Prepared By-Date: SLH - 11/22/2024
Checked By-Date: RNQ - 11/22/2024
Project Number: 6122160170
wsp
Figure: 1

APPENDIX A

PIEZOMETER CONSTRUCTION AND ABANDONMENT RECORDS

BORING PZ-45
PAGE 1 OF 2
6122160170.01

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Mitchell
LOCATION Albany, Georgia

DATE STARTED 11/14/2016 **COMPLETED** 11/14/2016 **SURF. ELEV.** Not Surveyed **COORDINATES:**
CONTRACTOR Geo-lab Drilling **EQUIPMENT** Geop. 6610DT **METHOD** Hollow Stem Auger
DRILLED BY D. Strickland **LOGGED BY** F. Mayila* **CHECKED BY** **ANGLE** **BEARING**
BORING DEPTH 47.5 ft bgs **GROUND WATER DEPTH: DURING** 27 ft bgs **COMP.** 29.5 ft bgs **DELAYED** 0.3 days
NOTES *Samples logged by geologist employed by Amec Foster Wheeler

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	HCL REACTION (Weak / Moderate / Strong)	GROUNDWATER OBSERVATIONS	WELL DATA
		- silty SAND (SM), dark gray (7.5 YR 3/1) to reddish yellow (7.5 YR 7/8), loose,			Completion: Protective casing set in concrete pad (DEPTH)
5		- sandy CLAY (CL), strong brown (7.5 YR 5/6), 6" sand layer			Annular Fill: Cement-Bentonite Grout
10		- weathered LIMESTONE, pinkish white (7.5 YR 8/2), hard			
15		- sandy CLAY (CL),reddish yellow (7.5 YR 6/8) with black mottling, few limestone gravel			
20		- fat CLAY (CH), yellowish brown (10 YR 5/6) with occasional gray and black mottling, some gravel			
25		- same as above, pinkish gray (7.5 YR 6/2) to dark gray (7.5 YR 4/1) with some brown mottling - weathered LIMESTONE, white (7.5 YR 8/1), with rock fragments/concretions			(25.0) Annular Seal: 3/8" bentonite pellets (coated)
30		- same as above, wet		▽ ▼	(30.0) Filter: silica filter sand
35					
40					(39.0)

(Continued Next Page)

SIMPLE GEOLOGY WITH WELL - ESEE DATABASE.GDT - 12/12/16 12:47 - C:\USERS\MACKENZIE.FIOCA\DESKTOP\PLANT MITCHELL\PLANT MITCHELL_SOUTHERN COMPANY.GPJ

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Mitchell
LOCATION Albany, Georgia

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	HCL REACTION (Weak / Moderate / Strong)	GROUNDWATER OBSERVATIONS	WELL DATA
45		*(Cont.)* - same above, rock fragments/concretions			Completion: Protective casing set in concrete pad (CONTINUED) (DEPTH) **Standpipe:** **2" OD PVC (SCH 40)** Screen: 10 ft; pre-pack
50		- Casing fell under own weight to 49.0 ft bgs when placed in borehole. Total well depth = 49.0 ft. Bottom of borehole at 47.5 feet.			
55					
60					
65					
70					
75					
80					
85					

SIMPLE GEOLOGY WITH WELL - ESEE DATABASE.GDT - 12/12/16 12:47 - C:\USERS\MACKENZIE.FIOCA\DESKTOP\PLANT MITCHELL\PLANT MITCHELL_SOUTHERN COMPANY.GPJ

WELL ABANDONMENT RECORD

WELL NO.: PZ-45

PROJECT NAME: GPC – Plant Mitchell

PROJECT NO.: 6122 16 0170

DATE: 10/15/2024

Name of Property Owner: Georgia Power Company

Address of Property: 5200 Radium Springs Rd, Albany, GA 31075

Original Purpose of Well Installation: Groundwater monitoring and water level

Total Depth of Well
(Measured from Top of Riser): 49.0 ft btoc

Total Well Depth: 49 ft bgs

Total
Boring Depth: 47.5* ft bgs

*Casing fell under own weight to 49.0 ft bgs when placed in borehole.

Well Diameter: 2 inches

Screen Slot Size: 0.01 - inch

Length of Screen: 10 ft

Screen Interval: 39 to 49 ft bgs

Depth to Water/Date
(Measure from Top of Riser): 25 feet btoc on 10/15/2024

Description of Well Abandonment Method: Piezometer abandoned in-place by filling well screen with bentonite chips and bentonite/Portland cement grout from top of bentonite to ground surface. Removed well pad and well vault.

Type and Volume of Materials Used to Plug Well/Borehole: Bentonite chips approximately 2 gallons. Bentonite/Portland cement grout: approximately 7 gallons

Riser and Screen Removed or Left in Place: Left in Place

Drilling Contractor Southern Company Services Driller's Name Shawn Milan

Additional Notes:
Placed bentonite chips in well screen from 36.5 feet to 49 feet, btoc and allowed to hydrate. Used approximately 2 gallons of chips. Tremie grouted from top of casing to 36.5 feet btoc with bentonite/Portland cement grout. Used approximately 7 gallons of grout. Removed concrete well pad and flush-mounted well vault. Cut and removed PVC well casing to 1.5 feet below ground surface. Filled the void created when the well pad and well vault were removed with bentonite/Portland cement grout to within three inches of ground surface.

WSP USA Environment & Infrastructure Field Representative Ever Guillen

Date Well Abandonment Completed: 10/15/2024

APPENDIX C

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS AUGUST 2024 AND MARCH 2025

APPENDIX C

LABORATORY ANALYTICAL AUGUST 2024

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

September 10, 2024

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

RE: Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between August 15, 2024 and August 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

Revision 1: COC rescanned to include all samples.

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

Sincerely,

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

Enclosures

cc: Laura Midkiff, Southern Company
Rhonda Quinn, WSP
Greg Wrenn, WSP

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

CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92748119001	**MIT-APA12-EB-02**	Water	08/15/24 09:00	08/16/24 09:30
92748119002	**MIT-PZ-17**	Water	08/15/24 10:50	08/16/24 09:30
92748119003	**MIT-PZ-33**	Water	08/15/24 14:00	08/16/24 09:30
92748124001	**MIT-PZ-57**	Water	08/15/24 11:14	08/16/24 09:30
92748124002	**MIT-APA12-FD-02**	Water	08/15/24 00:00	08/16/24 09:30
92748124003	**MIT-PZ-7D**	Water	08/15/24 13:44	08/16/24 09:30
92747803001	**MIT-APA12-FB-01**	Water	08/13/24 10:35	08/15/24 09:50
92747803002	**MIT-PZ-2D**	Water	08/13/24 12:24	08/15/24 09:50
92747803003	**MIT-PZ-32**	Water	08/13/24 14:29	08/15/24 09:50
92747803004	**MIT-PZ-25**	Water	08/13/24 16:00	08/15/24 09:50
92747812001	**MIT-PZ-1D**	Water	08/13/24 13:55	08/15/24 09:40
92747812002	**MIT-PZ-31**	Water	08/13/24 15:35	08/15/24 09:40
92747812003	**MIT-APA12-EB-01**	Water	08/14/24 08:45	08/15/24 09:40
92747812004	**MIT-PZ-23A**	Water	08/14/24 11:02	08/15/24 09:40
92747810001	**MIT-PZ-16**	Water	08/14/24 10:35	08/15/24 09:40
92747810002	**MIT-PZ-14**	Water	08/14/24 12:10	08/15/24 09:40
92747810003	**MIT-PZ-18**	Water	08/14/24 15:00	08/15/24 09:40
92747810004	**MIT-APA12-FD-01**	Water	08/14/24 00:00	08/15/24 09:40
92747808001	**MIT-APA12-FB-02**	Water	08/14/24 11:55	08/15/24 09:40
92747808002	**MIT-PZ-19**	Water	08/14/24 13:02	08/15/24 09:40
92747808003	**MIT-PZ-15**	Water	08/14/24 14:54	08/15/24 09:40

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92748119001	**MIT-APA12-EB-02**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748119002	**MIT-PZ-17**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748119003	**MIT-PZ-33**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748124001	**MIT-PZ-57**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748124002	**MIT-APA12-FD-02**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92748124003	**MIT-PZ-7D**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92747803001	**MIT-APA12-FB-01**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747803002	**MIT-PZ-2D**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13

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

SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747803003	**MIT-PZ-32**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747803004	**MIT-PZ-25**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747812001	**MIT-PZ-1D**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747812002	**MIT-PZ-31**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747812003	**MIT-APA12-EB-01**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747812004	**MIT-PZ-23A**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747810001	**MIT-PZ-16**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1

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SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 300.0 Rev 2.1 1993	CDC	3
92747810002	**MIT-PZ-14**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747810003	**MIT-PZ-18**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747810004	**MIT-APA12-FD-01**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747808001	**MIT-APA12-FB-02**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747808002	**MIT-PZ-19**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92747808003	**MIT-PZ-15**	EPA 6010D	MJS2	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	AGM	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748119001	**MIT-APA12-EB-02**					
SM 2540C-2015	Total Dissolved Solids	74.0	mg/L	25.0	08/21/24 16:28	
92748119002	**MIT-PZ-17**					
EPA 6010D	Calcium	71.2	mg/L	1.0	08/22/24 20:54	
EPA 6020B	Barium	0.045	mg/L	0.0050	08/21/24 15:33	
EPA 6020B	Boron	0.053	mg/L	0.040	08/21/24 15:33	
SM 2540C-2015	Total Dissolved Solids	245	mg/L	25.0	08/21/24 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/17/24 19:17	
EPA 300.0 Rev 2.1 1993	Sulfate	18.3	mg/L	1.0	08/17/24 19:17	
92748119003	**MIT-PZ-33**					
EPA 6010D	Calcium	99.2	mg/L	1.0	08/22/24 20:58	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	08/26/24 21:06	
EPA 6020B	Barium	0.041	mg/L	0.0050	08/26/24 21:06	
EPA 6020B	Boron	0.35	mg/L	0.040	08/26/24 21:06	
SM 2540C-2015	Total Dissolved Solids	341	mg/L	25.0	08/21/24 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	08/17/24 19:32	
EPA 300.0 Rev 2.1 1993	Sulfate	31.6	mg/L	1.0	08/17/24 19:32	
92748124001	**MIT-PZ-57**					
EPA 6010D	Calcium	98.3	mg/L	1.0	08/22/24 21:02	
EPA 6020B	Arsenic	0.00086J	mg/L	0.0050	08/26/24 21:20	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/26/24 21:20	
EPA 6020B	Boron	0.18	mg/L	0.040	08/26/24 21:20	
EPA 6020B	Chromium	0.0044J	mg/L	0.0050	08/26/24 21:20	
EPA 6020B	Selenium	0.0010J	mg/L	0.0050	08/26/24 21:20	
SM 2540C-2015	Total Dissolved Solids	348	mg/L	25.0	08/21/24 16:29	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/17/24 19:47	
EPA 300.0 Rev 2.1 1993	Sulfate	59.7	mg/L	1.0	08/17/24 19:47	
92748124002	**MIT-APA12-FD-02**					
EPA 6010D	Calcium	99.5	mg/L	1.0	08/22/24 21:06	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	08/26/24 21:24	
EPA 6020B	Barium	0.047	mg/L	0.0050	08/26/24 21:24	
EPA 6020B	Boron	0.18	mg/L	0.040	08/26/24 21:24	
EPA 6020B	Chromium	0.0043J	mg/L	0.0050	08/26/24 21:24	
SM 2540C-2015	Total Dissolved Solids	495	mg/L	25.0	08/21/24 16:29	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/17/24 20:01	
EPA 300.0 Rev 2.1 1993	Sulfate	59.5	mg/L	1.0	08/17/24 20:01	
92748124003	**MIT-PZ-7D**					
EPA 6010D	Calcium	104	mg/L	1.0	08/22/24 21:10	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	08/26/24 21:28	
EPA 6020B	Barium	0.0055	mg/L	0.0050	08/26/24 21:28	
EPA 6020B	Boron	0.19	mg/L	0.040	08/26/24 21:28	
EPA 6020B	Chromium	0.0026J	mg/L	0.0050	08/26/24 21:28	
EPA 6020B	Lithium	0.0025J	mg/L	0.030	08/26/24 21:28	
EPA 6020B	Selenium	0.0011J	mg/L	0.0050	08/26/24 21:28	
SM 2540C-2015	Total Dissolved Solids	350	mg/L	25.0	08/21/24 16:29	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748124003	**MIT-PZ-7D**					
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	08/17/24 20:16	
EPA 300.0 Rev 2.1 1993	Sulfate	39.0	mg/L	1.0	08/17/24 20:16	
92747803001	**MIT-APA12-FB-01**					
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	08/21/24 14:00	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/21/24 14:00	
92747803002	**MIT-PZ-2D**					
EPA 6010D	Calcium	14.5	mg/L	1.0	08/22/24 18:50	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	08/21/24 14:19	
EPA 6020B	Barium	0.0025J	mg/L	0.0050	08/21/24 14:19	
EPA 6020B	Boron	0.017J	mg/L	0.040	08/21/24 14:19	
EPA 6020B	Chromium	0.0079	mg/L	0.0050	08/21/24 14:19	
SM 2540C-2015	Total Dissolved Solids	69.0	mg/L	25.0	08/18/24 12:31	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/16/24 04:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	08/16/24 04:38	
EPA 300.0 Rev 2.1 1993	Sulfate	3.3	mg/L	1.0	08/16/24 04:38	
92747803003	**MIT-PZ-32**					
EPA 6010D	Calcium	67.6	mg/L	1.0	08/22/24 18:54	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/21/24 14:23	
EPA 6020B	Boron	0.017J	mg/L	0.040	08/21/24 14:23	
SM 2540C-2015	Total Dissolved Solids	187	mg/L	25.0	08/18/24 12:32	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/16/24 04:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/16/24 04:51	
92747803004	**MIT-PZ-25**					
EPA 6010D	Calcium	88.7	mg/L	1.0	08/22/24 18:58	
EPA 6020B	Barium	0.11	mg/L	0.0050	08/21/24 14:26	
EPA 6020B	Boron	0.18	mg/L	0.040	08/21/24 14:26	
EPA 6020B	Cobalt	0.0021J	mg/L	0.0050	08/21/24 14:26	
EPA 6020B	Lithium	0.0064J	mg/L	0.030	08/21/24 14:26	
EPA 6020B	Thallium	0.00080J	mg/L	0.0010	08/21/24 14:26	
SM 2540C-2015	Total Dissolved Solids	273	mg/L	25.0	08/18/24 12:32	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	08/16/24 05:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/16/24 05:05	
EPA 300.0 Rev 2.1 1993	Sulfate	34.8	mg/L	1.0	08/16/24 05:05	
92747812001	**MIT-PZ-1D**					
EPA 6010D	Calcium	48.5	mg/L	1.0	08/22/24 19:36	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/21/24 15:10	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	08/18/24 12:32	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	08/16/24 07:39	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	08/16/24 07:39	
92747812002	**MIT-PZ-31**					
EPA 6010D	Calcium	93.2	mg/L	1.0	08/22/24 19:40	
EPA 6020B	Barium	0.0071	mg/L	0.0050	08/21/24 15:14	
SM 2540C-2015	Total Dissolved Solids	263	mg/L	25.0	08/18/24 12:32	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	08/16/24 07:53	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747812002	**MIT-PZ-31**					
EPA 300.0 Rev 2.1 1993	Sulfate	0.80J	mg/L	1.0	08/16/24 07:53	
92747812004	**MIT-PZ-23A**					
EPA 6010D	Calcium	141	mg/L	1.0	08/22/24 20:05	M1
EPA 6020B	Arsenic	0.00089J	mg/L	0.0050	08/21/24 15:21	
EPA 6020B	Barium	0.036	mg/L	0.0050	08/21/24 15:21	
EPA 6020B	Boron	0.16	mg/L	0.040	08/21/24 15:21	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	08/21/24 15:21	
SM 2540C-2015	Total Dissolved Solids	436	mg/L	31.2	08/19/24 11:51	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	08/16/24 08:07	
EPA 300.0 Rev 2.1 1993	Sulfate	43.4	mg/L	1.0	08/16/24 08:07	
92747810001	**MIT-PZ-16**					
EPA 6010D	Calcium	97.5	mg/L	1.0	08/22/24 19:20	
EPA 6020B	Barium	0.036	mg/L	0.0050	08/21/24 14:41	
EPA 6020B	Boron	0.19	mg/L	0.040	08/21/24 14:41	
SM 2540C-2015	Total Dissolved Solids	311	mg/L	25.0	08/19/24 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	5.9	mg/L	1.0	08/16/24 06:43	
EPA 300.0 Rev 2.1 1993	Sulfate	38.8	mg/L	1.0	08/16/24 06:43	
92747810002	**MIT-PZ-14**					
EPA 6010D	Calcium	100	mg/L	1.0	08/22/24 19:24	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/21/24 14:45	
EPA 6020B	Boron	0.035J	mg/L	0.040	08/21/24 14:45	
SM 2540C-2015	Total Dissolved Solids	284	mg/L	25.0	08/19/24 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	4.4	mg/L	1.0	08/16/24 06:57	
EPA 300.0 Rev 2.1 1993	Sulfate	17.3	mg/L	1.0	08/16/24 06:57	
92747810003	**MIT-PZ-18**					
EPA 6010D	Calcium	139	mg/L	1.0	08/22/24 19:28	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/21/24 14:48	
EPA 6020B	Boron	0.37	mg/L	0.040	08/21/24 14:48	
EPA 6020B	Lithium	0.0041J	mg/L	0.030	08/21/24 14:48	
SM 2540C-2015	Total Dissolved Solids	468	mg/L	31.2	08/19/24 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	08/16/24 07:11	
EPA 300.0 Rev 2.1 1993	Sulfate	94.3	mg/L	1.0	08/16/24 07:11	
92747810004	**MIT-APA12-FD-01**					
EPA 6010D	Calcium	139	mg/L	1.0	08/22/24 19:32	
EPA 6020B	Arsenic	0.00088J	mg/L	0.0050	08/21/24 14:52	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/21/24 14:52	
EPA 6020B	Boron	0.38	mg/L	0.040	08/21/24 14:52	
EPA 6020B	Lithium	0.0042J	mg/L	0.030	08/21/24 14:52	
SM 2540C-2015	Total Dissolved Solids	462	mg/L	31.2	08/19/24 11:51	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	08/16/24 07:25	
EPA 300.0 Rev 2.1 1993	Sulfate	94.6	mg/L	1.0	08/16/24 07:25	
92747808002	**MIT-PZ-19**					
EPA 6010D	Calcium	118	mg/L	1.0	08/22/24 19:05	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/21/24 14:34	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747808002	**MIT-PZ-19**					
EPA 6020B	Boron	0.35	mg/L	0.040	08/21/24 14:34	
EPA 6020B	Lithium	0.012J	mg/L	0.030	08/21/24 14:34	
EPA 6020B	Molybdenum	0.0023J	mg/L	0.010	08/21/24 14:34	
EPA 6020B	Selenium	0.0053	mg/L	0.0050	08/21/24 14:34	
EPA 6020B	Thallium	0.00045J	mg/L	0.0010	08/21/24 14:34	
SM 2540C-2015	Total Dissolved Solids	436	mg/L	31.2	08/19/24 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/16/24 06:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/16/24 06:15	
EPA 300.0 Rev 2.1 1993	Sulfate	61.7	mg/L	1.0	08/16/24 06:15	
92747808003	**MIT-PZ-15**					
EPA 6010D	Calcium	98.0	mg/L	1.0	08/22/24 19:09	
EPA 6020B	Barium	0.046	mg/L	0.0050	08/21/24 14:37	
EPA 6020B	Boron	0.18	mg/L	0.040	08/21/24 14:37	
SM 2540C-2015	Total Dissolved Solids	342	mg/L	25.0	08/19/24 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	08/16/24 06:29	
EPA 300.0 Rev 2.1 1993	Sulfate	78.4	mg/L	1.0	08/16/24 06:29	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-EB-02 **Lab ID: 92748119001** Collected: 08/15/24 09:00 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 20:50	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:22	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:22	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:22	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:22	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:22	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:22	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 13:59	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**74.0**	mg/L	25.0	25.0	1		08/21/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/17/24 14:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 14:04	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/17/24 14:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-17 **Lab ID: 92748119002** Collected: 08/15/24 10:50 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**71.2**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 20:54	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:33	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:33	7440-41-7	
Boron	**0.053**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:33	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:33	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:33	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 14:02	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**245**	mg/L	25.0	25.0	1		08/21/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.3**	mg/L	1.0	0.60	1		08/17/24 19:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 19:17	16984-48-8	
Sulfate	**18.3**	mg/L	1.0	0.50	1		08/17/24 19:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-33 **Lab ID: 92748119003** Collected: 08/15/24 14:00 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**99.2**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 20:58	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 10:30	08/26/24 21:06	7440-36-0	
Arsenic	**0.0013J**	mg/L	0.0050	0.00084	1	08/23/24 10:30	08/26/24 21:06	7440-38-2	
Barium	**0.041**	mg/L	0.0050	0.00047	1	08/23/24 10:30	08/26/24 21:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 10:30	08/26/24 21:06	7440-41-7	
Boron	**0.35**	mg/L	0.040	0.012	1	08/23/24 10:30	08/26/24 21:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 10:30	08/26/24 21:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/23/24 10:30	08/26/24 21:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 10:30	08/26/24 21:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 10:30	08/26/24 21:06	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 10:30	08/26/24 21:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 10:30	08/26/24 21:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 10:30	08/26/24 21:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 10:30	08/26/24 21:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 14:04	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**341**	mg/L	25.0	25.0	1		08/21/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.9**	mg/L	1.0	0.60	1		08/17/24 19:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 19:32	16984-48-8	
Sulfate	**31.6**	mg/L	1.0	0.50	1		08/17/24 19:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-57 **Lab ID: 92748124001** Collected: 08/15/24 11:14 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**98.3**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 21:02	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 10:30	08/26/24 21:20	7440-36-0	
Arsenic	**0.00086J**	mg/L	0.0050	0.00084	1	08/23/24 10:30	08/26/24 21:20	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.00047	1	08/23/24 10:30	08/26/24 21:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 10:30	08/26/24 21:20	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.012	1	08/23/24 10:30	08/26/24 21:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 10:30	08/26/24 21:20	7440-43-9	
Chromium	**0.0044J**	mg/L	0.0050	0.0019	1	08/23/24 10:30	08/26/24 21:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 10:30	08/26/24 21:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 10:30	08/26/24 21:20	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 10:30	08/26/24 21:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 10:30	08/26/24 21:20	7439-98-7	
Selenium	**0.0010J**	mg/L	0.0050	0.00096	1	08/23/24 10:30	08/26/24 21:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 10:30	08/26/24 21:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 14:07	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**348**	mg/L	25.0	25.0	1		08/21/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.0**	mg/L	1.0	0.60	1		08/17/24 19:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 19:47	16984-48-8	
Sulfate	**59.7**	mg/L	1.0	0.50	1		08/17/24 19:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-FD-02 **Lab ID: 92748124002** Collected: 08/15/24 00:00 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**99.5**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 21:06	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 10:30	08/26/24 21:24	7440-36-0	
Arsenic	**0.0012J**	mg/L	0.0050	0.00084	1	08/23/24 10:30	08/26/24 21:24	7440-38-2	
Barium	**0.047**	mg/L	0.0050	0.00047	1	08/23/24 10:30	08/26/24 21:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 10:30	08/26/24 21:24	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.012	1	08/23/24 10:30	08/26/24 21:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 10:30	08/26/24 21:24	7440-43-9	
Chromium	**0.0043J**	mg/L	0.0050	0.0019	1	08/23/24 10:30	08/26/24 21:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 10:30	08/26/24 21:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 10:30	08/26/24 21:24	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/23/24 10:30	08/26/24 21:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 10:30	08/26/24 21:24	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/23/24 10:30	08/26/24 21:24	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 10:30	08/26/24 21:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 14:10	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**495**	mg/L	25.0	25.0	1		08/21/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.0**	mg/L	1.0	0.60	1		08/17/24 20:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 20:01	16984-48-8	
Sulfate	**59.5**	mg/L	1.0	0.50	1		08/17/24 20:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-7D **Lab ID: 92748124003** Collected: 08/15/24 13:44 Received: 08/16/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**104**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 21:10	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/23/24 10:30	08/26/24 21:28	7440-36-0	
Arsenic	**0.0012J**	mg/L	0.0050	0.00084	1	08/23/24 10:30	08/26/24 21:28	7440-38-2	
Barium	**0.0055**	mg/L	0.0050	0.00047	1	08/23/24 10:30	08/26/24 21:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/23/24 10:30	08/26/24 21:28	7440-41-7	
Boron	**0.19**	mg/L	0.040	0.012	1	08/23/24 10:30	08/26/24 21:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/23/24 10:30	08/26/24 21:28	7440-43-9	
Chromium	**0.0026J**	mg/L	0.0050	0.0019	1	08/23/24 10:30	08/26/24 21:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/23/24 10:30	08/26/24 21:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/23/24 10:30	08/26/24 21:28	7439-92-1	
Lithium	**0.0025J**	mg/L	0.030	0.0016	1	08/23/24 10:30	08/26/24 21:28	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/23/24 10:30	08/26/24 21:28	7439-98-7	
Selenium	**0.0011J**	mg/L	0.0050	0.00096	1	08/23/24 10:30	08/26/24 21:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/23/24 10:30	08/26/24 21:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/27/24 10:00	08/27/24 14:12	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	**350**	mg/L	25.0	25.0	1		08/21/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.3**	mg/L	1.0	0.60	1		08/17/24 20:16	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/24 20:16	16984-48-8	
Sulfate	**39.0**	mg/L	1.0	0.50	1		08/17/24 20:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-FB-01 **Lab ID: 92747803001** Collected: 08/13/24 10:35 Received: 08/15/24 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 18:46	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	**0.0018J**	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:00	7440-41-7	
Boron	**0.015J**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:00	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:00	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 13:42	7439-97-6	R1
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/18/24 12:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/24 23:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/24 23:31	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/24 23:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-2D **Lab ID: 92747803002** Collected: 08/13/24 12:24 Received: 08/15/24 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**14.5**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 18:50	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:19	7440-36-0	
Arsenic	**0.0012J**	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:19	7440-38-2	
Barium	**0.0025J**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:19	7440-41-7	
Boron	**0.017J**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:19	7440-43-9	
Chromium	**0.0079**	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:19	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:19	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:19	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 13:52	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**69.0**	mg/L	25.0	25.0	1		08/18/24 12:31		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.4**	mg/L	1.0	0.60	1		08/16/24 04:38	16887-00-6	
Fluoride	**0.083J**	mg/L	0.10	0.050	1		08/16/24 04:38	16984-48-8	
Sulfate	**3.3**	mg/L	1.0	0.50	1		08/16/24 04:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-32 **Lab ID: 92747803003** Collected: 08/13/24 14:29 Received: 08/15/24 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**67.6**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 18:54	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:23	7440-38-2	
Barium	**0.014**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:23	7440-41-7	
Boron	**0.017J**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:23	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:23	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 13:55	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**187**	mg/L	25.0	25.0	1		08/18/24 12:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.5**	mg/L	1.0	0.60	1		08/16/24 04:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 04:51	16984-48-8	
Sulfate	**1.7**	mg/L	1.0	0.50	1		08/16/24 04:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-25 **Lab ID: 92747803004** Collected: 08/13/24 16:00 Received: 08/15/24 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**88.7**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 18:58	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:26	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:26	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:26	7440-47-3	
Cobalt	**0.0021J**	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:26	7439-92-1	
Lithium	**0.0064J**	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:26	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:26	7782-49-2	
Thallium	**0.00080J**	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:03	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**273**	mg/L	25.0	25.0	1		08/18/24 12:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.6**	mg/L	1.0	0.60	1		08/16/24 05:05	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		08/16/24 05:05	16984-48-8	
Sulfate	**34.8**	mg/L	1.0	0.50	1		08/16/24 05:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-1D **Lab ID: 92747812001** Collected: 08/13/24 13:55 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**48.5**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:36	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:10	7440-38-2	
Barium	**0.012**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:10	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:10	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:10	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:10	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:24	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**163**	mg/L	25.0	25.0	1		08/18/24 12:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.9**	mg/L	1.0	0.60	1		08/16/24 07:39	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 07:39	16984-48-8	
Sulfate	**2.5**	mg/L	1.0	0.50	1		08/16/24 07:39	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-31 **Lab ID: 92747812002** Collected: 08/13/24 15:35 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**93.2**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:40	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:14	7440-38-2	
Barium	**0.0071**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:14	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:26	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**263**	mg/L	25.0	25.0	1		08/18/24 12:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.2**	mg/L	1.0	0.60	1		08/16/24 07:53	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 07:53	16984-48-8	
Sulfate	**0.80J**	mg/L	1.0	0.50	1		08/16/24 07:53	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-EB-01 **Lab ID: 92747812003** Collected: 08/14/24 08:45 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:47	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:17	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:17	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:17	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:17	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:17	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:17	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:34	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/19/24 11:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/16/24 00:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 00:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/16/24 00:27	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-23A **Lab ID: 92747812004** Collected: 08/14/24 11:02 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**141**	mg/L	1.0	0.12	1	08/22/24 11:12	08/22/24 20:05	7440-70-2	M1
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 15:21	7440-36-0	
Arsenic	**0.00089J**	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 15:21	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 15:21	7440-41-7	
Boron	**0.16**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 15:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 15:21	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 15:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 15:21	7439-98-7	
Selenium	**0.0019J**	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 15:21	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 15:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:37	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**436**	mg/L	31.2	31.2	1		08/19/24 11:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.8**	mg/L	1.0	0.60	1		08/16/24 08:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 08:07	16984-48-8	
Sulfate	**43.4**	mg/L	1.0	0.50	1		08/16/24 08:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-16 **Lab ID: 92747810001** Collected: 08/14/24 10:35 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**97.5**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:20	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:41	7440-38-2	
Barium	**0.036**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:41	7440-41-7	
Boron	**0.19**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:41	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:41	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:41	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:41	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:13	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**311**	mg/L	25.0	25.0	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.9**	mg/L	1.0	0.60	1		08/16/24 06:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 06:43	16984-48-8	
Sulfate	**38.8**	mg/L	1.0	0.50	1		08/16/24 06:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-14 **Lab ID: 92747810002** Collected: 08/14/24 12:10 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**100**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:24	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:45	7440-38-2	
Barium	**0.013**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:45	7440-41-7	
Boron	**0.035J**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:45	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:45	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:45	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:45	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:45	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:16	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**284**	mg/L	25.0	25.0	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.4**	mg/L	1.0	0.60	1		08/16/24 06:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 06:57	16984-48-8	
Sulfate	**17.3**	mg/L	1.0	0.50	1		08/16/24 06:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-18 **Lab ID: 92747810003** Collected: 08/14/24 15:00 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**139**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:28	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:48	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:48	7440-41-7	
Boron	**0.37**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:48	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:48	7439-92-1	
Lithium	**0.0041J**	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:48	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:48	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:48	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:18	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**468**	mg/L	31.2	31.2	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.2**	mg/L	1.0	0.60	1		08/16/24 07:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 07:11	16984-48-8	
Sulfate	**94.3**	mg/L	1.0	0.50	1		08/16/24 07:11	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-FD-01 **Lab ID: 92747810004** Collected: 08/14/24 00:00 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**139**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:32	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:52	7440-36-0	
Arsenic	**0.00088J**	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:52	7440-38-2	
Barium	**0.025**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:52	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:52	7440-41-7	
Boron	**0.38**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:52	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:52	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:52	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:52	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:52	7439-92-1	
Lithium	**0.0042J**	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:52	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:52	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:52	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:21	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**462**	mg/L	31.2	31.2	1		08/19/24 11:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.2**	mg/L	1.0	0.60	1		08/16/24 07:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 07:25	16984-48-8	
Sulfate	**94.6**	mg/L	1.0	0.50	1		08/16/24 07:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-APA12-FB-02 **Lab ID: 92747808001** Collected: 08/14/24 11:55 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:01	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:30	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:05	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/24 23:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/24 23:45	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/24 23:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-19 **Lab ID: 92747808002** Collected: 08/14/24 13:02 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**118**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:05	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:34	7440-38-2	
Barium	**0.048**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:34	7440-41-7	
Boron	**0.35**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:34	7439-92-1	
Lithium	**0.012J**	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:34	7439-93-2	
Molybdenum	**0.0023J**	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:34	7439-98-7	
Selenium	**0.0053**	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:34	7782-49-2	
Thallium	**0.00045J**	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:08	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**436**	mg/L	31.2	31.2	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.5**	mg/L	1.0	0.60	1		08/16/24 06:15	16887-00-6	
Fluoride	**0.065J**	mg/L	0.10	0.050	1		08/16/24 06:15	16984-48-8	
Sulfate	**61.7**	mg/L	1.0	0.50	1		08/16/24 06:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Sample: MIT-PZ-15 **Lab ID: 92747808003** Collected: 08/14/24 14:54 Received: 08/15/24 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	**98.0**	mg/L	1.0	0.12	1	08/22/24 09:23	08/22/24 19:09	7440-70-2	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	08/17/24 10:57	08/21/24 14:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	08/17/24 10:57	08/21/24 14:37	7440-38-2	
Barium	**0.046**	mg/L	0.0050	0.00047	1	08/17/24 10:57	08/21/24 14:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	08/17/24 10:57	08/21/24 14:37	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.012	1	08/17/24 10:57	08/21/24 14:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	08/17/24 10:57	08/21/24 14:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	08/17/24 10:57	08/21/24 14:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	08/17/24 10:57	08/21/24 14:37	7440-48-4	
Lead	ND	mg/L	0.0010	0.00016	1	08/17/24 10:57	08/21/24 14:37	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	08/17/24 10:57	08/21/24 14:37	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	08/17/24 10:57	08/21/24 14:37	7439-98-7	
Selenium	ND	mg/L	0.0050	0.00096	1	08/17/24 10:57	08/21/24 14:37	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00038	1	08/17/24 10:57	08/21/24 14:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/26/24 10:00	08/26/24 14:11	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**342**	mg/L	25.0	25.0	1		08/19/24 11:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**6.1**	mg/L	1.0	0.60	1		08/16/24 06:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/24 06:29	16984-48-8	
Sulfate	**78.4**	mg/L	1.0	0.50	1		08/16/24 06:29	14808-79-8	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 877247 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003

METHOD BLANK: 4518486 Matrix: Water
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/22/24 18:01	

LABORATORY CONTROL SAMPLE: 4518487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4518488 4518489

Parameter	Units	92747047019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	80.8	1	1	79.3	78.7	-153	-215	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 877486
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747812004, 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

METHOD BLANK: 4519842 Matrix: Water
Associated Lab Samples: 92747812004, 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/22/24 19:51	

LABORATORY CONTROL SAMPLE: 4519843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4519844 4519845

Parameter	Units	92747812004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	141	1	1	142	144	82	234	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876408
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003, 92747812004

METHOD BLANK: 4514729 Matrix: Water
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003, 92747812004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	08/21/24 13:26	
Arsenic	mg/L	ND	0.0050	0.00084	08/21/24 13:26	
Barium	mg/L	ND	0.0050	0.00047	08/21/24 13:26	
Beryllium	mg/L	ND	0.00050	0.000094	08/21/24 13:26	
Boron	mg/L	ND	0.040	0.012	08/21/24 13:26	
Cadmium	mg/L	ND	0.00050	0.00010	08/21/24 13:26	
Chromium	mg/L	ND	0.0050	0.0019	08/21/24 13:26	
Cobalt	mg/L	ND	0.0050	0.00032	08/21/24 13:26	
Lead	mg/L	ND	0.0010	0.00016	08/21/24 13:26	
Lithium	mg/L	ND	0.030	0.0016	08/21/24 13:26	
Molybdenum	mg/L	ND	0.010	0.00062	08/21/24 13:26	
Selenium	mg/L	ND	0.0050	0.00096	08/21/24 13:26	
Thallium	mg/L	ND	0.0010	0.00038	08/21/24 13:26	

LABORATORY CONTROL SAMPLE: 4514730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.10	105	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	103	80-120	
Lithium	mg/L	0.1	0.11	105	80-120	
Molybdenum	mg/L	0.1	0.11	106	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514731 4514732

Parameter	Units	92747047023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	1	20	
Barium	mg/L	0.075	0.1	0.1	0.17	0.17	100	98	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20	
Boron	mg/L	0.028J	1	1	0.95	0.94	92	91	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Lithium	mg/L	0.015J	0.1	0.1	0.11	0.11	97	94	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876409
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748119001, 92748119002

METHOD BLANK: 4514733 Matrix: Water
Associated Lab Samples: 92748119001, 92748119002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00054J	0.0030	0.00054	08/21/24 13:16	
Arsenic	mg/L	ND	0.0050	0.00084	08/21/24 13:16	
Barium	mg/L	ND	0.0050	0.00047	08/21/24 13:16	
Beryllium	mg/L	ND	0.00050	0.000094	08/21/24 13:16	
Boron	mg/L	ND	0.040	0.012	08/21/24 13:16	
Cadmium	mg/L	ND	0.00050	0.00010	08/21/24 13:16	
Chromium	mg/L	ND	0.0050	0.0019	08/21/24 13:16	
Cobalt	mg/L	ND	0.0050	0.00032	08/21/24 13:16	
Lead	mg/L	ND	0.0010	0.00016	08/21/24 13:16	
Lithium	mg/L	ND	0.030	0.0016	08/21/24 13:16	
Molybdenum	mg/L	ND	0.010	0.00062	08/21/24 13:16	
Selenium	mg/L	ND	0.0050	0.00096	08/21/24 13:16	
Thallium	mg/L	ND	0.0010	0.00038	08/21/24 13:16	

LABORATORY CONTROL SAMPLE: 4514734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.10	104	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514735 4514736

Parameter	Units	92748048002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	107	104	75-125	3	20	
Arsenic	mg/L	ND	0.1	0.1	0.11	0.11	106	105	75-125	0	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514735 4514736

Parameter	Units	92748048002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	99.0 ug/L	0.1	0.1	0.21	0.20	107	99	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	1	20	
Boron	mg/L	2610 ug/L	1	1	3.5	3.5	86	91	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.11	0.10	107	103	75-125	4	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.097	103	97	75-125	6	20	
Cobalt	mg/L	175 ug/L	0.1	0.1	0.29	0.26	112	87	75-125	9	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.094	98	93	75-125	5	20	
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	98	98	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.11	107	104	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.093	95	92	75-125	3	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 877798
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748119003, 92748124001, 92748124002, 92748124003

METHOD BLANK: 4521510 Matrix: Water
Associated Lab Samples: 92748119003, 92748124001, 92748124002, 92748124003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	08/26/24 20:58	
Arsenic	mg/L	ND	0.0050	0.00084	08/26/24 20:58	
Barium	mg/L	ND	0.0050	0.00047	08/26/24 20:58	
Beryllium	mg/L	ND	0.00050	0.000094	08/26/24 20:58	
Boron	mg/L	ND	0.040	0.012	08/26/24 20:58	
Cadmium	mg/L	ND	0.00050	0.00010	08/26/24 20:58	
Chromium	mg/L	ND	0.0050	0.0019	08/26/24 20:58	
Cobalt	mg/L	ND	0.0050	0.00032	08/26/24 20:58	
Lead	mg/L	ND	0.0010	0.00016	08/26/24 20:58	
Lithium	mg/L	ND	0.030	0.0016	08/26/24 20:58	
Molybdenum	mg/L	ND	0.010	0.00062	08/26/24 20:58	
Selenium	mg/L	ND	0.0050	0.00096	08/26/24 20:58	
Thallium	mg/L	ND	0.0010	0.00038	08/26/24 20:58	

LABORATORY CONTROL SAMPLE: 4521511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.098	98	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Lithium	mg/L	0.1	0.11	105	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521512 4521513

Parameter	Units	92748119003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Arsenic	mg/L	0.0013J	0.1	0.1	0.099	0.099	97	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4521512 4521513

Parameter	Units	92748119003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	0.041	0.1	0.1	0.13	0.13	93	93	75-125	0	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Boron	mg/L	0.35	1	1	1.3	1.3	99	97	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.098	97	98	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20	
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	2	20	
Molybdenum	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.096	0.097	95	96	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.093	91	93	75-125	2	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 877190
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003, 92747812004

METHOD BLANK: 4518068 Matrix: Water
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002, 92747812003, 92747812004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/26/24 13:34	

LABORATORY CONTROL SAMPLE: 4518069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0021	83	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4518070 4518071

Parameter	Units	92747803001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0020	0.0025	80	100	75-125	21	20	R1

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 878334 | Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

METHOD BLANK: 4524107 Matrix: Water
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/27/24 13:22	

LABORATORY CONTROL SAMPLE: 4524108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4524109 4524110

Parameter	Units	92748048013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	93	91	75-125	2	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 877174 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

METHOD BLANK: 4518022 Matrix: Water
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/21/24 16:23	

LABORATORY CONTROL SAMPLE: 4518023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	392	98	80-120	

SAMPLE DUPLICATE: 4518024

Parameter	Units	92748019001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	373	350	6	10	

SAMPLE DUPLICATE: 4518025

Parameter	Units	92748119002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	245	255	4	10	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876382 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747812001, 92747812002

METHOD BLANK: 4514654 Matrix: Water
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747812001, 92747812002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/18/24 12:30	

LABORATORY CONTROL SAMPLE: 4514655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	262	105	90-110	

SAMPLE DUPLICATE: 4514656

Parameter	Units	92747515001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	104	2	25	

SAMPLE DUPLICATE: 4514657

Parameter	Units	92747630010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876495 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812003, 92747812004

METHOD BLANK: 4514973 Matrix: Water
Associated Lab Samples: 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812003, 92747812004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/19/24 11:49	

LABORATORY CONTROL SAMPLE: 4514974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	258	103	90-110	

SAMPLE DUPLICATE: 4514975

Parameter	Units	92747688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5560	5800	4	25	

SAMPLE DUPLICATE: 4514976

Parameter	Units	92747812003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876002
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002

METHOD BLANK: 4512588 Matrix: Water
Associated Lab Samples: 92747803001, 92747803002, 92747803003, 92747803004, 92747808001, 92747808002, 92747808003, 92747810001, 92747810002, 92747810003, 92747810004, 92747812001, 92747812002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/24 21:36	
Fluoride	mg/L	ND	0.10	0.050	08/15/24 21:36	
Sulfate	mg/L	ND	1.0	0.50	08/15/24 21:36	

LABORATORY CONTROL SAMPLE: 4512589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512590 4512591

Parameter	Units	92747679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	42.3	50	50	90.1	93.2	96	102	90-110	3	10	
Fluoride	mg/L	0.35	2.5	2.5	2.8	2.9	97	103	90-110	5	10	
Sulfate	mg/L	157	50	50	198	208	82	101	90-110	5	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512592 4512593

Parameter	Units	92747803004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.6	50	50	52.4	53.1	102	103	90-110	1	10	
Fluoride	mg/L	0.12	2.5	2.5	2.6	2.7	100	102	90-110	2	10	
Sulfate	mg/L	34.8	50	50	85.2	86.0	101	102	90-110	1	10	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876003
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747812003, 92747812004

METHOD BLANK: 4512595 Matrix: Water
Associated Lab Samples: 92747812003, 92747812004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/24 23:03	
Fluoride	mg/L	ND	0.10	0.050	08/15/24 23:03	
Sulfate	mg/L	ND	1.0	0.50	08/15/24 23:03	

LABORATORY CONTROL SAMPLE: 4512596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.8	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512597 4512598

Parameter	Units	92747812003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	50.1	51.1	100	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	101	90-110	0	10	
Sulfate	mg/L	ND	50	50	50.7	51.7	101	103	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512599 4512600

Parameter	Units	92747855009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.3	50	50	53.2	54.0	102	103	90-110	1	10	
Fluoride	mg/L	0.13	2.5	2.5	2.7	2.7	102	104	90-110	2	10	
Sulfate	mg/L	8.2	50	50	60.1	60.9	104	105	90-110	1	10	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

QC Batch: 876404
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

METHOD BLANK: 4514707 Matrix: Water
Associated Lab Samples: 92748119001, 92748119002, 92748119003, 92748124001, 92748124002, 92748124003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/24 12:49	
Fluoride	mg/L	ND	0.10	0.050	08/17/24 12:49	
Sulfate	mg/L	ND	1.0	0.50	08/17/24 12:49	

LABORATORY CONTROL SAMPLE: 4514708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	49.2	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514709 4514710

Parameter	Units	92748099001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.6	50	50	58.6	58.8	100	100	90-110	0	10	H3
Fluoride	mg/L	0.14	2.5	2.5	2.5	2.6	95	97	90-110	2	10	H3
Sulfate	mg/L	168	50	50	213	213	90	89	90-110	0	10	H3,M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4514711 4514712

Parameter	Units	92746012007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.5	50.0	99	100	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.4	109	96	90-110	13	10	R1
Sulfate	mg/L	ND	50	50	49.5	49.7	99	99	90-110	1	10	

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QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747803001	**MIT-APA12-FB-01**	EPA 3010A	877247	EPA 6010D	877528
92747803002	**MIT-PZ-2D**	EPA 3010A	877247	EPA 6010D	877528
92747803003	**MIT-PZ-32**	EPA 3010A	877247	EPA 6010D	877528
92747803004	**MIT-PZ-25**	EPA 3010A	877247	EPA 6010D	877528
92747808001	**MIT-APA12-FB-02**	EPA 3010A	877247	EPA 6010D	877528
92747808002	**MIT-PZ-19**	EPA 3010A	877247	EPA 6010D	877528
92747808003	**MIT-PZ-15**	EPA 3010A	877247	EPA 6010D	877528
92747810001	**MIT-PZ-16**	EPA 3010A	877247	EPA 6010D	877528
92747810002	**MIT-PZ-14**	EPA 3010A	877247	EPA 6010D	877528
92747810003	**MIT-PZ-18**	EPA 3010A	877247	EPA 6010D	877528
92747810004	**MIT-APA12-FD-01**	EPA 3010A	877247	EPA 6010D	877528
92747812001	**MIT-PZ-1D**	EPA 3010A	877247	EPA 6010D	877528
92747812002	**MIT-PZ-31**	EPA 3010A	877247	EPA 6010D	877528
92747812003	**MIT-APA12-EB-01**	EPA 3010A	877247	EPA 6010D	877528
92747812004	**MIT-PZ-23A**	EPA 3010A	877486	EPA 6010D	877577
92748119001	**MIT-APA12-EB-02**	EPA 3010A	877486	EPA 6010D	877577
92748119002	**MIT-PZ-17**	EPA 3010A	877486	EPA 6010D	877577
92748119003	**MIT-PZ-33**	EPA 3010A	877486	EPA 6010D	877577
92748124001	**MIT-PZ-57**	EPA 3010A	877486	EPA 6010D	877577
92748124002	**MIT-APA12-FD-02**	EPA 3010A	877486	EPA 6010D	877577
92748124003	**MIT-PZ-7D**	EPA 3010A	877486	EPA 6010D	877577
92747803001	**MIT-APA12-FB-01**	EPA 3005A	876408	EPA 6020B	876460
92747803002	**MIT-PZ-2D**	EPA 3005A	876408	EPA 6020B	876460
92747803003	**MIT-PZ-32**	EPA 3005A	876408	EPA 6020B	876460
92747803004	**MIT-PZ-25**	EPA 3005A	876408	EPA 6020B	876460
92747808001	**MIT-APA12-FB-02**	EPA 3005A	876408	EPA 6020B	876460
92747808002	**MIT-PZ-19**	EPA 3005A	876408	EPA 6020B	876460
92747808003	**MIT-PZ-15**	EPA 3005A	876408	EPA 6020B	876460
92747810001	**MIT-PZ-16**	EPA 3005A	876408	EPA 6020B	876460
92747810002	**MIT-PZ-14**	EPA 3005A	876408	EPA 6020B	876460
92747810003	**MIT-PZ-18**	EPA 3005A	876408	EPA 6020B	876460
92747810004	**MIT-APA12-FD-01**	EPA 3005A	876408	EPA 6020B	876460
92747812001	**MIT-PZ-1D**	EPA 3005A	876408	EPA 6020B	876460
92747812002	**MIT-PZ-31**	EPA 3005A	876408	EPA 6020B	876460
92747812003	**MIT-APA12-EB-01**	EPA 3005A	876408	EPA 6020B	876460
92747812004	**MIT-PZ-23A**	EPA 3005A	876408	EPA 6020B	876460
92748119001	**MIT-APA12-EB-02**	EPA 3005A	876409	EPA 6020B	876459
92748119002	**MIT-PZ-17**	EPA 3005A	876409	EPA 6020B	876459
92748119003	**MIT-PZ-33**	EPA 3005A	877798	EPA 6020B	877921
92748124001	**MIT-PZ-57**	EPA 3005A	877798	EPA 6020B	877921
92748124002	**MIT-APA12-FD-02**	EPA 3005A	877798	EPA 6020B	877921
92748124003	**MIT-PZ-7D**	EPA 3005A	877798	EPA 6020B	877921
92747803001	**MIT-APA12-FB-01**	EPA 7470A	877190	EPA 7470A	878171
92747803002	**MIT-PZ-2D**	EPA 7470A	877190	EPA 7470A	878171
92747803003	**MIT-PZ-32**	EPA 7470A	877190	EPA 7470A	878171
92747803004	**MIT-PZ-25**	EPA 7470A	877190	EPA 7470A	878171

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747808001	**MIT-APA12-FB-02**	EPA 7470A	877190	EPA 7470A	878171
92747808002	**MIT-PZ-19**	EPA 7470A	877190	EPA 7470A	878171
92747808003	**MIT-PZ-15**	EPA 7470A	877190	EPA 7470A	878171
92747810001	**MIT-PZ-16**	EPA 7470A	877190	EPA 7470A	878171
92747810002	**MIT-PZ-14**	EPA 7470A	877190	EPA 7470A	878171
92747810003	**MIT-PZ-18**	EPA 7470A	877190	EPA 7470A	878171
92747810004	**MIT-APA12-FD-01**	EPA 7470A	877190	EPA 7470A	878171
92747812001	**MIT-PZ-1D**	EPA 7470A	877190	EPA 7470A	878171
92747812002	**MIT-PZ-31**	EPA 7470A	877190	EPA 7470A	878171
92747812003	**MIT-APA12-EB-01**	EPA 7470A	877190	EPA 7470A	878171
92747812004	**MIT-PZ-23A**	EPA 7470A	877190	EPA 7470A	878171
92748119001	**MIT-APA12-EB-02**	EPA 7470A	878334	EPA 7470A	878506
92748119002	**MIT-PZ-17**	EPA 7470A	878334	EPA 7470A	878506
92748119003	**MIT-PZ-33**	EPA 7470A	878334	EPA 7470A	878506
92748124001	**MIT-PZ-57**	EPA 7470A	878334	EPA 7470A	878506
92748124002	**MIT-APA12-FD-02**	EPA 7470A	878334	EPA 7470A	878506
92748124003	**MIT-PZ-7D**	EPA 7470A	878334	EPA 7470A	878506
92748119001	**MIT-APA12-EB-02**	SM 2540C-2015	877174		
92748119002	**MIT-PZ-17**	SM 2540C-2015	877174		
92748119003	**MIT-PZ-33**	SM 2540C-2015	877174		
92748124001	**MIT-PZ-57**	SM 2540C-2015	877174		
92748124002	**MIT-APA12-FD-02**	SM 2540C-2015	877174		
92748124003	**MIT-PZ-7D**	SM 2540C-2015	877174		
92747803001	**MIT-APA12-FB-01**	SM 2540C-2015	876382		
92747803002	**MIT-PZ-2D**	SM 2540C-2015	876382		
92747803003	**MIT-PZ-32**	SM 2540C-2015	876382		
92747803004	**MIT-PZ-25**	SM 2540C-2015	876382		
92747808001	**MIT-APA12-FB-02**	SM 2540C-2015	876495		
92747808002	**MIT-PZ-19**	SM 2540C-2015	876495		
92747808003	**MIT-PZ-15**	SM 2540C-2015	876495		
92747810001	**MIT-PZ-16**	SM 2540C-2015	876495		
92747810002	**MIT-PZ-14**	SM 2540C-2015	876495		
92747810003	**MIT-PZ-18**	SM 2540C-2015	876495		
92747810004	**MIT-APA12-FD-01**	SM 2540C-2015	876495		
92747812001	**MIT-PZ-1D**	SM 2540C-2015	876382		
92747812002	**MIT-PZ-31**	SM 2540C-2015	876382		
92747812003	**MIT-APA12-EB-01**	SM 2540C-2015	876495		
92747812004	**MIT-PZ-23A**	SM 2540C-2015	876495		
92747803001	**MIT-APA12-FB-01**	EPA 300.0 Rev 2.1 1993	876002		
92747803002	**MIT-PZ-2D**	EPA 300.0 Rev 2.1 1993	876002		
92747803003	**MIT-PZ-32**	EPA 300.0 Rev 2.1 1993	876002		
92747803004	**MIT-PZ-25**	EPA 300.0 Rev 2.1 1993	876002		
92747808001	**MIT-APA12-FB-02**	EPA 300.0 Rev 2.1 1993	876002		
92747808002	**MIT-PZ-19**	EPA 300.0 Rev 2.1 1993	876002		
92747808003	**MIT-PZ-15**	EPA 300.0 Rev 2.1 1993	876002		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92748119

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747810001	**MIT-PZ-16**	EPA 300.0 Rev 2.1 1993	876002		
92747810002	**MIT-PZ-14**	EPA 300.0 Rev 2.1 1993	876002		
92747810003	**MIT-PZ-18**	EPA 300.0 Rev 2.1 1993	876002		
92747810004	**MIT-APA12-FD-01**	EPA 300.0 Rev 2.1 1993	876002		
92747812001	**MIT-PZ-1D**	EPA 300.0 Rev 2.1 1993	876002		
92747812002	**MIT-PZ-31**	EPA 300.0 Rev 2.1 1993	876002		
92747812003	**MIT-APA12-EB-01**	EPA 300.0 Rev 2.1 1993	876003		
92747812004	**MIT-PZ-23A**	EPA 300.0 Rev 2.1 1993	876003		
92748119001	**MIT-APA12-EB-02**	EPA 300.0 Rev 2.1 1993	876404		
92748119002	**MIT-PZ-17**	EPA 300.0 Rev 2.1 1993	876404		
92748119003	**MIT-PZ-33**	EPA 300.0 Rev 2.1 1993	876404		
92748124001	**MIT-PZ-57**	EPA 300.0 Rev 2.1 1993	876404		
92748124002	**MIT-APA12-FD-02**	EPA 300.0 Rev 2.1 1993	876404		
92748124003	**MIT-PZ-7D**	EPA 300.0 Rev 2.1 1993	876404		

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Pace

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power - Mitchell

Project #:

WO# : 92748119

92748119

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

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

Date/Initials Person Examining Contents: 8/14/24 AW

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

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

Thermometer: ☐ IR Gun ID: 230 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.8 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WQ WG				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7778 6898 5109

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92748119

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: BV Due Date: 08/30/24
CLIENT: 92-GP-MIT

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

Client GA Power-Mitchell Profile/EZ (Circle one) 3142242 Notes

Items	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas Kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3H-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	
CC		AS	GA		SI		GA																							
1		1	1		2		1 ✓																							
2		1	1		2		1 ✓																							
3		1	1		2		1																							
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- BACKGROUND DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

Specify Container Size **: 2 3 3 1

Identify Container Preservative Type***: 1 4 2 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16601; Prelog / Bottle Ord. ID: EZ 3142292

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
~~Extra~~ MIT-APA12-EB-02	WG	G			8/15/24	0900	5			X	X	X	X		
~~Extra~~ MIT-PZ-17	WG	G				1050	5			X	X	X	X		
MIT-PZ-33	WG	G			↓	1400	5			X	X	X	X		

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature) Daniel Howard / WSP	Date/Time: 8/15/24/1640	Received by/Company: (Signature)	Date/Time: 8/16/24 0930	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 17 of 17

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUNT-0083 v03_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power - Mitchell

Project # WO# : 92748124

92748124

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

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

Date/Initials Person Examining Contents: SLW 7/24

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

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

Thermometer: ☐ IR Gun ID: 230

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WG	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7778 6987 1129

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92748124

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: BV Due Date: 08/30/24
CLIENT: 92-GP-MIT

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

Client GP Power-Mitchell Profile/EZ (Circle one) 31422492 Notes

Items#	BP4U-125 mL Plastic Unpreserved (N/A) (CL)	BP3U-250 mL Plastic Unpreserved (N/A)	BP1U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (CL)	BP2N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (CL)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (CL)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CL)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(CL)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9Y-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (CL)	VSGU-20 mL Scintillation vials (N/A)	
CC																														
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

WO#: 92748124

PM: BV Due Date: 08/30/24

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@WSP.com
Customer Project #:		Invoice To:	Account Payable
Project Name:	MIT- BACKGROUND DETECTION MONITORING WELL NETWORK	Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App IIIIV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample:
~~MIT-PZ-1D~~ MIT-PZ-57	WG	G			8/15/24	1114	5			X	X	X	X		
~~MIT-PZ-2D~~ MIT-AP12-FD-02	WG	G			↓	—	5			X	X	X	X		
~~MIT-PZ-3I~~ MIT-PZ-7D	WG	G			↓	1344	5			X	X	X	X		
~~MIT-PZ-02~~	WT									X	X	X			
~~Extra 1~~	WT									X	X	X			
~~Extra 2~~	WT									X	X	X			
~~MIT-PZ-1D~~	WT												X		
~~MIT-PZ-2D~~	WT												X		
~~MIT-PZ-3I~~	WT												X		
~~MIT-PZ-7D~~	WT												X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16601; Prelog / Bottle Ord. ID: EZ 3142292

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Trading Number:
Daniel Howard / WSP	8/15/24 1640		8/16/24 0930	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

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ENV-FRM-CORO-0019_v02_110123 ©

Pace

DC#_Title: ENV-FRM-HUN1-0083 V05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO# : 92747803

92747803

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

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

Date/Initials Person Examining Contents: 8/15/24 CM

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.4 Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 2.3

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7778699 4551

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92747803

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: BV Due Date: 08/29/24
CLIENT: 92-GP-MIT

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1U	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG84-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
4		1	1		2		1																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

WO#: 92747803

PM: BV **Due Date: 08/29/24**

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT – Complete all relevant fields

LA

Scan QR Code for instructions

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix*	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-TD~~ MIT-APA12-FB-01	WG	G			8/13/24	1035	5			X	X	X	X	
~~MIT-PZ-1D~~ MIT-PZ-2D	WG	G				1224	5			X	X	X	X	
~~MIT-PZ-3D~~ MIT-PZ-32	WG	G				1429	5			X	X	X	X	
~~MIT-PZ-10~~ MIT-PZ-25	WG	G			↓	1600	5			X	X	X	X	
~~MIT-PZ-17~~	WT									X	X	X		
~~MIT-PZ-18~~	WT									X	X	X		
~~MIT-PZ-19~~	WT									X	X	X		
~~MIT-PZ-25R~~	WT									X	X	X		
~~MIT-PZ-25~~	WT									X	X	X		
~~MIT-PZ-33~~	WT									X	X	X		

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16601; Prelog / Bottle Ord. ID: EZ 3142302; Preservation non-conformance identified for sample.

Additional Instructions from Pace®: Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard; Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24/1715	Rhonda Quinn	8/15/24 0950	
				Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 1 of 17

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: LA Power

Project #:

WO#: 92747812

92747812

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

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

Date/Initials Person Examining Contents:

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7778 6990 9990

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92747812

PM: BV **Due Date: 08/29/24**

CLIENT: 92-GP-MIT

Project #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3B-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																				1			
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

Page 2 of 2

WO#: 92747812

PM: BV **Due Date: 08/29/24**

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
Customer Project #:		Cc E-Mail:	Rhonda.Quinn@wsp.com
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Scan QR Code for instructions

Specify Container Size **: 2 3 3 1

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

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MW-PZ-57~~ MIT-PZ-1D	WS	G			8/13/24	1355	5			X	X	X	X	
~~MW-PZ-57~~ MIT-PZ-31	WS	G			8/13/24	1535	5			X	X	X	X	
MIT-APA12-EB-01	WQ	G			8/14/24	0845	5			X	X	X	X	
MIT-PZ-23A	WS	G			8/14/24	1102	5			X	X	X	X	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Yang

AcctNum / Client ID:

Table #:

Profile / Template: 16601

Prelog / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard

Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24/1715	Rhonda Quinn	8/15/24 0940	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123 ©

Pace

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO# : 92747810

92747810

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

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

Date/Initials Person Examining Contents: 5/15/24 CM

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

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

Thermometer ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	GW			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

7778 7000 4561

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92747810

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: BV Due Date: 08/29/24
CLIENT: 92-GP-MIT

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3B-250 mL Plastic (NH4)2SO4 (3.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
4		1	1		2		1																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

Page 2 of 2

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
Customer Project #:		Cc E-Mail:	Rhonda.Quinn@wsp.com
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-01, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment	Preservation non-conformance identified for sample.
~~MIT-PZ-33~~ MIT-PZ-16	WG	G			8/14/24	1035	5			X	X	X	X		
~~MIT-PZ-57~~ MIT-PZ-14	WG	G				1210	5			X	X	X	X		
MIT-PZ-18	WG	G				1506	5			X	X	X	X		
MIT-APA12-FD-01	WG	G				—	5			X	X	X	X		

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16601

Prelog / Bottle Ord. ID: EZ 3142302

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-2024SZ

Collected By:
(Printed Name) Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24 1715		8/15/24 0740	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORC-0019_v02_110123 ©

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project # WO#: 92747808

PM: BV Due Date: 08/29/24

CLIENT: 92-GP-MIT

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

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

Date/Initials Person Examining Contents: 8/15/24 DH

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY
2778699057 0

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92747808

92747808

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP8N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4																														
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9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

Page 2 of 2

WO# : 92747808

PM: BV Due Date: 08/29/24

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

Scan QR Code for instructions

Specify Container Size **: 2 3 3 1

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 20mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only: Proj. Mgr: Bonnie Vang; Acctnum / Client ID:; Table #:; Profile / Template: 16601; Prelog / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solids (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-17~~ MIT-APA12-FR-02	WW	G			8/14/24	1155	5			X	X	X	X	
~~MIT-PZ-19~~ MIT-PZ-19	WW	G			8/14/24	1302	5			X	X	X	X	
~~MIT-PZ-15~~ MIT-PZ-15	WW	G			8/14/24	1454	5			X	X	X	X	
~~MIT-PZ-18~~	WT												X	
~~MIT-PZ-16~~	WT												X	
~~MIT-PZ-17~~	WT												X	
~~MIT-PZ-18~~	WT												X	
~~MIT-PZ-19~~	WT												X	
~~MIT-PZ-23A~~	WT												X	
MIT-PZ-25	WT												X	

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By (Printed Name): Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Daniel Howard / WSP	8/14/24 1725	Charlie Hunt	8/15/24 0940

Tracking Number:

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

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

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

September 11, 2024

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

RE: Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between August 15, 2024 and August 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Laura Midkiff, Southern Company
Rhonda Quinn, WSP
Greg Wrenn, WSP

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

CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

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

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92748122001	**MIT-APA12-EB-02**	Water	08/15/24 09:00	08/16/24 09:30
92748122002	**MIT-PZ-17**	Water	08/15/24 10:50	08/16/24 09:30
92748122003	**MIT-PZ-33**	Water	08/15/24 14:00	08/16/24 09:30
92748125001	**MIT-PZ-57**	Water	08/15/24 11:15	08/16/24 09:30
92748125002	**MIT-APA12-FD-02**	Water	08/15/24 00:00	08/16/24 09:30
92748125003	**MIT-PZ-7D**	Water	08/15/24 13:44	08/16/24 09:30
92747805001	**MIT-APA12-FB-01**	Water	08/13/24 10:35	08/15/24 09:50
92747805002	**MIT-PZ-2D**	Water	08/13/24 12:24	08/15/24 09:50
92747805003	**MIT-PZ-32**	Water	08/13/24 14:29	08/15/24 09:50
92747805004	**MIT-PZ-25**	Water	08/13/24 16:00	08/15/24 09:50
92747814001	**MIT-PZ-1D**	Water	08/13/24 13:55	08/15/24 09:40
92747814002	**MIT-PZ-31**	Water	08/13/24 15:35	08/15/24 09:40
92747814003	**MIT-APA12-EB-01**	Water	08/14/24 08:45	08/15/24 09:40
92747814004	**MIT-PZ-23A**	Water	08/14/24 11:02	08/15/24 09:40
92747811001	**MIT-PZ-16**	Water	08/14/24 10:35	08/15/24 09:40
92747811002	**MIT-PZ-14**	Water	08/14/24 12:10	08/15/24 09:40
92747811003	**MIT-PZ-18**	Water	08/14/24 15:00	08/15/24 09:40
92747811004	**MIT-APA12-FD-01**	Water	08/14/24 00:00	08/15/24 09:40
92747809001	**MIT-APA12-FB-02**	Water	08/14/24 11:15	08/15/24 09:40
92747809002	**MIT-PZ-19**	Water	08/14/24 13:02	08/15/24 09:40
92747809003	**MIT-PZ-15**	Water	08/14/24 14:54	08/15/24 09:40

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92748122001	**MIT-APA12-EB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92748122002	**MIT-PZ-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92748122003	**MIT-PZ-33**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92748125001	**MIT-PZ-57**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92748125002	**MIT-APA12-FD-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92748125003	**MIT-PZ-7D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747805001	**MIT-APA12-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747805002	**MIT-PZ-2D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747805003	**MIT-PZ-32**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747805004	**MIT-PZ-25**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747814001	**MIT-PZ-1D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747814002	**MIT-PZ-31**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747814003	**MIT-APA12-EB-01**	EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747814004	**MIT-PZ-23A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747811001	**MIT-PZ-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747811002	**MIT-PZ-14**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747811003	**MIT-PZ-18**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747811004	**MIT-APA12-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747809001	**MIT-APA12-FB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747809002	**MIT-PZ-19**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92747809003	**MIT-PZ-15**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748122001	**MIT-APA12-EB-02**					
EPA 9315	Radium-226	0.187U ± 0.284 (0.627) C:92% T:NA	pCi/L		09/04/24 10:47	
EPA 9320	Radium-228	0.155U ± 0.351 (0.778) C:81% T:88%	pCi/L		09/09/24 12:45	
Total Radium Calculation	Total Radium	0.342U ± 0.635 (1.41)	pCi/L		09/10/24 15:41	
92748122002	**MIT-PZ-17**					
EPA 9315	Radium-226	0.237U ± 0.211 (0.412) C:83% T:NA	pCi/L		09/09/24 08:13	
EPA 9320	Radium-228	0.609U ± 0.434 (0.848) C:78% T:86%	pCi/L		09/09/24 12:45	
Total Radium Calculation	Total Radium	0.846U ± 0.645 (1.26)	pCi/L		09/10/24 15:41	
92748122003	**MIT-PZ-33**					
EPA 9315	Radium-226	0.170U ± 0.152 (0.277) C:81% T:NA	pCi/L		09/09/24 08:13	
EPA 9320	Radium-228	0.217U ± 0.293 (0.625) C:81% T:89%	pCi/L		09/09/24 12:45	
Total Radium Calculation	Total Radium	0.387U ± 0.445 (0.902)	pCi/L		09/10/24 15:41	
92748125001	**MIT-PZ-57**					
EPA 9315	Radium-226	0.322U ± 0.203 (0.323) C:83% T:NA	pCi/L		09/09/24 08:13	
EPA 9320	Radium-228	0.478U ± 0.340 (0.646) C:79% T:81%	pCi/L		09/04/24 12:22	
Total Radium Calculation	Total Radium	0.800U ± 0.543 (0.969)	pCi/L		09/09/24 16:54	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92748125002	**MIT-APA12-FD-02**					
EPA 9315	Radium-226	0.381 ± 0.211 (0.318) C:88% T:NA	pCi/L		09/09/24 08:14	
EPA 9320	Radium-228	0.141U ± 0.256 (0.561) C:83% T:92%	pCi/L		09/04/24 12:22	
Total Radium Calculation	Total Radium	0.522U ± 0.467 (0.879)	pCi/L		09/09/24 16:54	
92748125003	**MIT-PZ-7D**					
EPA 9315	Radium-226	-0.116U ± 0.109 (0.383) C:80% T:NA	pCi/L		09/09/24 08:14	
EPA 9320	Radium-228	0.591U ± 0.356 (0.653) C:79% T:88%	pCi/L		09/04/24 12:22	
Total Radium Calculation	Total Radium	0.591U ± 0.465 (1.04)	pCi/L		09/09/24 16:54	
92747805001	**MIT-APA12-FB-01**					
EPA 9315	Radium-226	-0.0584U ± 0.175 (0.513) C:94% T:NA	pCi/L		09/04/24 09:56	
EPA 9320	Radium-228	0.469U ± 0.369 (0.732) C:84% T:90%	pCi/L		08/28/24 15:40	
Total Radium Calculation	Total Radium	0.469U ± 0.544 (1.25)	pCi/L		09/05/24 15:39	
92747805002	**MIT-PZ-2D**					
EPA 9315	Radium-226	0.114U ± 0.217 (0.499) C:94% T:NA	pCi/L		09/04/24 09:55	
EPA 9320	Radium-228	0.0454U ± 0.341 (0.781) C:85% T:85%	pCi/L		08/28/24 15:40	
Total Radium Calculation	Total Radium	0.159U ± 0.558 (1.28)	pCi/L		09/05/24 15:39	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747805003	**MIT-PZ-32**					
EPA 9315	Radium-226	0.228U ± 0.290 (0.625) C:94% T:NA	pCi/L		09/04/24 10:47	
EPA 9320	Radium-228	0.166U ± 0.375 (0.830) C:80% T:86%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.394U ± 0.665 (1.46)	pCi/L		09/05/24 15:39	
92747805004	**MIT-PZ-25**					
EPA 9315	Radium-226	0.344U ± 0.245 (0.382) C:84% T:NA	pCi/L		09/04/24 10:47	
EPA 9320	Radium-228	0.474U ± 0.391 (0.786) C:85% T:87%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.818U ± 0.636 (1.17)	pCi/L		09/05/24 15:39	
92747814001	**MIT-PZ-1D**					
EPA 9315	Radium-226	-0.102U ± 0.125 (0.474) C:92% T:NA	pCi/L		09/04/24 09:54	
EPA 9320	Radium-228	-0.137U ± 0.316 (0.769) C:82% T:85%	pCi/L		08/28/24 15:42	
Total Radium Calculation	Total Radium	0.000U ± 0.441 (1.24)	pCi/L		09/05/24 15:39	
92747814002	**MIT-PZ-31**					
EPA 9315	Radium-226	-0.112U ± 0.139 (0.485) C:88% T:NA	pCi/L		09/04/24 10:46	
EPA 9320	Radium-228	0.334U ± 0.334 (0.683) C:83% T:85%	pCi/L		08/28/24 15:43	
Total Radium Calculation	Total Radium	0.334U ± 0.473 (1.17)	pCi/L		09/05/24 15:39	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747814003	**MIT-APA12-EB-01**					
EPA 9315	Radium-226	0.115U ± 0.244 (0.568) C:91% T:NA	pCi/L		09/04/24 10:47	
EPA 9320	Radium-228	0.620U ± 0.364 (0.660) C:83% T:91%	pCi/L		08/28/24 15:43	
Total Radium Calculation	Total Radium	0.735U ± 0.608 (1.23)	pCi/L		09/05/24 15:39	
92747814004	**MIT-PZ-23A**					
EPA 9315	Radium-226	0.321U ± 0.287 (0.554) C:86% T:NA	pCi/L		09/04/24 10:47	
EPA 9320	Radium-228	0.825 ± 0.398 (0.680) C:86% T:88%	pCi/L		08/28/24 15:43	
Total Radium Calculation	Total Radium	1.15U ± 0.685 (1.23)	pCi/L		09/05/24 15:39	
92747811001	**MIT-PZ-16**					
EPA 9315	Radium-226	0.198U ± 0.331 (0.745) C:83% T:NA	pCi/L		09/04/24 09:55	
EPA 9320	Radium-228	0.739 ± 0.369 (0.643) C:88% T:92%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.937U ± 0.700 (1.39)	pCi/L		09/05/24 15:39	
92747811002	**MIT-PZ-14**					
EPA 9315	Radium-226	-0.0539U ± 0.150 (0.463) C:90% T:NA	pCi/L		09/04/24 13:21	
EPA 9320	Radium-228	0.0710U ± 0.349 (0.796) C:82% T:80%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.0710U ± 0.499 (1.26)	pCi/L		09/05/24 15:39	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747811003	**MIT-PZ-18**					
EPA 9315	Radium-226	0.0388U ± 0.332 (0.830) C:76% T:NA	pCi/L		09/04/24 09:55	
EPA 9320	Radium-228	0.326U ± 0.336 (0.694) C:84% T:83%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.365U ± 0.668 (1.52)	pCi/L		09/05/24 15:39	
92747811004	**MIT-APA12-FD-01**					
EPA 9315	Radium-226	0.162U ± 0.295 (0.673) C:80% T:NA	pCi/L		09/04/24 09:54	
EPA 9320	Radium-228	0.640U ± 0.383 (0.706) C:83% T:85%	pCi/L		08/28/24 15:41	
Total Radium Calculation	Total Radium	0.802U ± 0.678 (1.38)	pCi/L		09/05/24 15:39	
92747809001	**MIT-APA12-FB-02**					
EPA 9315	Radium-226	-0.00121U ± 0.232 (0.610) C:88% T:NA	pCi/L		09/04/24 09:56	
EPA 9320	Radium-228	-0.0116U ± 0.345 (0.805) C:82% T:84%	pCi/L		08/28/24 15:40	
Total Radium Calculation	Total Radium	0.000U ± 0.577 (1.42)	pCi/L		09/05/24 15:39	
92747809002	**MIT-PZ-19**					
EPA 9315	Radium-226	0.222U ± 0.318 (0.698) C:77% T:NA	pCi/L		09/04/24 09:56	
EPA 9320	Radium-228	0.462U ± 0.372 (0.744) C:85% T:87%	pCi/L		08/28/24 15:40	
Total Radium Calculation	Total Radium	0.684U ± 0.690 (1.44)	pCi/L		09/05/24 15:39	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92747809003	**MIT-PZ-15**					
EPA 9315	Radium-226	0.299U ± 0.267 (0.503) C:82% T:NA	pCi/L		09/04/24 09:56	
EPA 9320	Radium-228	0.448U ± 0.391 (0.795) C:87% T:86%	pCi/L		08/28/24 15:40	
Total Radium Calculation	Total Radium	0.747U ± 0.658 (1.30)	pCi/L		09/05/24 15:39	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-EB-02 **Lab ID: 92748122001** Collected: 08/15/24 09:00 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.187U ± 0.284 (0.627) C:92% T:NA**	pCi/L	09/04/24 10:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.155U ± 0.351 (0.778) C:81% T:88%**	pCi/L	09/09/24 12:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.342U ± 0.635 (1.41)**	pCi/L	09/10/24 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-17 **Lab ID: 92748122002** Collected: 08/15/24 10:50 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.237U ± 0.211 (0.412) C:83% T:NA**	pCi/L	09/09/24 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.609U ± 0.434 (0.848) C:78% T:86%**	pCi/L	09/09/24 12:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.846U ± 0.645 (1.26)**	pCi/L	09/10/24 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-33 **Lab ID: 92748122003** Collected: 08/15/24 14:00 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.170U ± 0.152 (0.277) C:81% T:NA**	pCi/L	09/09/24 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.217U ± 0.293 (0.625) C:81% T:89%**	pCi/L	09/09/24 12:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.387U ± 0.445 (0.902)**	pCi/L	09/10/24 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-57 **Lab ID: 92748125001** Collected: 08/15/24 11:15 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.322U ± 0.203 (0.323) C:83% T:NA**	pCi/L	09/09/24 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.478U ± 0.340 (0.646) C:79% T:81%**	pCi/L	09/04/24 12:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.800U ± 0.543 (0.969)**	pCi/L	09/09/24 16:54	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-FD-02 **Lab ID: 92748125002** Collected: 08/15/24 00:00 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.381 ± 0.211 (0.318) C:88% T:NA**	pCi/L	09/09/24 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.141U ± 0.256 (0.561) C:83% T:92%**	pCi/L	09/04/24 12:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.522U ± 0.467 (0.879)**	pCi/L	09/09/24 16:54	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-7D **Lab ID: 92748125003** Collected: 08/15/24 13:44 Received: 08/16/24 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.116U ± 0.109 (0.383) C:80% T:NA**	pCi/L	09/09/24 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.591U ± 0.356 (0.653) C:79% T:88%**	pCi/L	09/04/24 12:22	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.591U ± 0.465 (1.04)**	pCi/L	09/09/24 16:54	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-FB-01 **Lab ID: 92747805001** Collected: 08/13/24 10:35 Received: 08/15/24 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0584U ± 0.175 (0.513) C:94% T:NA**	pCi/L	09/04/24 09:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.469U ± 0.369 (0.732) C:84% T:90%**	pCi/L	08/28/24 15:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.469U ± 0.544 (1.25)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-2D **Lab ID: 92747805002** Collected: 08/13/24 12:24 Received: 08/15/24 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.114U ± 0.217 (0.499) C:94% T:NA**	pCi/L	09/04/24 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0454U ± 0.341 (0.781) C:85% T:85%**	pCi/L	08/28/24 15:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.159U ± 0.558 (1.28)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-32 **Lab ID: 92747805003** Collected: 08/13/24 14:29 Received: 08/15/24 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.228U ± 0.290 (0.625) C:94% T:NA**	pCi/L	09/04/24 10:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.166U ± 0.375 (0.830) C:80% T:86%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.394U ± 0.665 (1.46)**	pCi/L	09/05/24 15:39	7440-14-4	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-25 **Lab ID: 92747805004** Collected: 08/13/24 16:00 Received: 08/15/24 09:50 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.344U ± 0.245 (0.382) C:84% T:NA**	pCi/L	09/04/24 10:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.474U ± 0.391 (0.786) C:85% T:87%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.818U ± 0.636 (1.17)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-1D **Lab ID: 92747814001** Collected: 08/13/24 13:55 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.102U ± 0.125 (0.474) C:92% T:NA**	pCi/L	09/04/24 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.137U ± 0.316 (0.769) C:82% T:85%**	pCi/L	08/28/24 15:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.441 (1.24)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-31 **Lab ID: 92747814002** Collected: 08/13/24 15:35 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.112U ± 0.139 (0.485) C:88% T:NA**	pCi/L	09/04/24 10:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.334U ± 0.334 (0.683) C:83% T:85%**	pCi/L	08/28/24 15:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.334U ± 0.473 (1.17)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-EB-01 **Lab ID: 92747814003** Collected: 08/14/24 08:45 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.115U ± 0.244 (0.568) C:91% T:NA**	pCi/L	09/04/24 10:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.620U ± 0.364 (0.660) C:83% T:91%**	pCi/L	08/28/24 15:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.735U ± 0.608 (1.23)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-23A **Lab ID: 92747814004** Collected: 08/14/24 11:02 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.321U ± 0.287 (0.554) C:86% T:NA**	pCi/L	09/04/24 10:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.825 ± 0.398 (0.680) C:86% T:88%**	pCi/L	08/28/24 15:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.15U ± 0.685 (1.23)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-16 **Lab ID: 92747811001** Collected: 08/14/24 10:35 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.198U ± 0.331 (0.745) C:83% T:NA**	pCi/L	09/04/24 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.739 ± 0.369 (0.643) C:88% T:92%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.937U ± 0.700 (1.39)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-14 **Lab ID: 92747811002** Collected: 08/14/24 12:10 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0539U ± 0.150 (0.463) C:90% T:NA**	pCi/L	09/04/24 13:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.0710U ± 0.349 (0.796) C:82% T:80%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.0710U ± 0.499 (1.26)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-18 **Lab ID: 92747811003** Collected: 08/14/24 15:00 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0388U ± 0.332 (0.830) C:76% T:NA**	pCi/L	09/04/24 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.326U ± 0.336 (0.694) C:84% T:83%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.365U ± 0.668 (1.52)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-FD-01 **Lab ID: 92747811004** Collected: 08/14/24 00:00 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.162U ± 0.295 (0.673) C:80% T:NA**	pCi/L	09/04/24 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.640U ± 0.383 (0.706) C:83% T:85%**	pCi/L	08/28/24 15:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.802U ± 0.678 (1.38)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-APA12-FB-02 **Lab ID: 92747809001** Collected: 08/14/24 11:15 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00121U ± 0.232 (0.610) C:88% T:NA**	pCi/L	09/04/24 09:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0116U ± 0.345 (0.805) C:82% T:84%**	pCi/L	08/28/24 15:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.000U ± 0.577 (1.42)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-19 **Lab ID: 92747809002** Collected: 08/14/24 13:02 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.222U ± 0.318 (0.698) C:77% T:NA**	pCi/L	09/04/24 09:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.462U ± 0.372 (0.744) C:85% T:87%**	pCi/L	08/28/24 15:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.684U ± 0.690 (1.44)**	pCi/L	09/05/24 15:39	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Sample: MIT-PZ-15 **Lab ID: 92747809003** Collected: 08/14/24 14:54 Received: 08/15/24 09:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.299U ± 0.267 (0.503) C:82% T:NA**	pCi/L	09/04/24 09:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.448U ± 0.391 (0.795) C:87% T:86%**	pCi/L	08/28/24 15:40	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.747U ± 0.658 (1.30)**	pCi/L	09/05/24 15:39	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

QC Batch: 690931 | Analysis Method: EPA 9315
QC Batch Method: EPA 9315 | Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92748122002, 92748122003, 92748125001, 92748125002, 92748125003

METHOD BLANK: 3364353 Matrix: Water
Associated Lab Samples: 92748122002, 92748122003, 92748125001, 92748125002, 92748125003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0717 ± 0.0872 (0.304) C:96% T:NA	pCi/L	09/09/24 08:13	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

QC Batch: 690810
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92747805001, 92747805002, 92747805003, 92747805004, 92747809001, 92747809002, 92747809003, 92747811001, 92747811002, 92747811003, 92747811004, 92747814001, 92747814002, 92747814003, 92747814004

METHOD BLANK: 3363812
Matrix: Water
Associated Lab Samples: 92747805001, 92747805002, 92747805003, 92747805004, 92747809001, 92747809002, 92747809003, 92747811001, 92747811002, 92747811003, 92747811004, 92747814001, 92747814002, 92747814003, 92747814004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.480 ± 0.328 (0.623) C:86% T:90%	pCi/L	08/28/24 15:37	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

QC Batch: 691959
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92748125001, 92748125002, 92748125003

METHOD BLANK: 3369427
Matrix: Water
Associated Lab Samples: 92748125001, 92748125002, 92748125003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.214 ± 0.291 (0.622) C:81% T:87%	pCi/L	09/04/24 12:04	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

QC Batch: 690811
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92748122001, 92748122002, 92748122003

METHOD BLANK: 3363813 Matrix: Water
Associated Lab Samples: 92748122001, 92748122002, 92748122003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.149 ± 0.285 (0.702) C:89% T:85%	pCi/L	09/09/24 12:44	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

QC Batch: 690694
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92747805001, 92747805002, 92747805003, 92747805004, 92747809001, 92747809002, 92747809003, 92747811001, 92747811002, 92747811003, 92747811004, 92747814001, 92747814002, 92747814003, 92747814004, 92748122001

METHOD BLANK: 3363058
Matrix: Water
Associated Lab Samples: 92747805001, 92747805002, 92747805003, 92747805004, 92747809001, 92747809002, 92747809003, 92747811001, 92747811002, 92747811003, 92747811004, 92747814001, 92747814002, 92747814003, 92747814004, 92748122001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.108 ± 0.233 (0.544) C:90% T:NA	pCi/L	09/04/24 09:53	

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QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747805001	**MIT-APA12-FB-01**	EPA 9315	690694		
92747805002	**MIT-PZ-2D**	EPA 9315	690694		
92747805003	**MIT-PZ-32**	EPA 9315	690694		
92747805004	**MIT-PZ-25**	EPA 9315	690694		
92747809001	**MIT-APA12-FB-02**	EPA 9315	690694		
92747809002	**MIT-PZ-19**	EPA 9315	690694		
92747809003	**MIT-PZ-15**	EPA 9315	690694		
92747811001	**MIT-PZ-16**	EPA 9315	690694		
92747811002	**MIT-PZ-14**	EPA 9315	690694		
92747811003	**MIT-PZ-18**	EPA 9315	690694		
92747811004	**MIT-APA12-FD-01**	EPA 9315	690694		
92747814001	**MIT-PZ-1D**	EPA 9315	690694		
92747814002	**MIT-PZ-31**	EPA 9315	690694		
92747814003	**MIT-APA12-EB-01**	EPA 9315	690694		
92747814004	**MIT-PZ-23A**	EPA 9315	690694		
92748122001	**MIT-APA12-EB-02**	EPA 9315	690694		
92748122002	**MIT-PZ-17**	EPA 9315	690931		
92748122003	**MIT-PZ-33**	EPA 9315	690931		
92748125001	**MIT-PZ-57**	EPA 9315	690931		
92748125002	**MIT-APA12-FD-02**	EPA 9315	690931		
92748125003	**MIT-PZ-7D**	EPA 9315	690931		
92747805001	**MIT-APA12-FB-01**	EPA 9320	690810		
92747805002	**MIT-PZ-2D**	EPA 9320	690810		
92747805003	**MIT-PZ-32**	EPA 9320	690810		
92747805004	**MIT-PZ-25**	EPA 9320	690810		
92747809001	**MIT-APA12-FB-02**	EPA 9320	690810		
92747809002	**MIT-PZ-19**	EPA 9320	690810		
92747809003	**MIT-PZ-15**	EPA 9320	690810		
92747811001	**MIT-PZ-16**	EPA 9320	690810		
92747811002	**MIT-PZ-14**	EPA 9320	690810		
92747811003	**MIT-PZ-18**	EPA 9320	690810		
92747811004	**MIT-APA12-FD-01**	EPA 9320	690810		
92747814001	**MIT-PZ-1D**	EPA 9320	690810		
92747814002	**MIT-PZ-31**	EPA 9320	690810		
92747814003	**MIT-APA12-EB-01**	EPA 9320	690810		
92747814004	**MIT-PZ-23A**	EPA 9320	690810		
92748122001	**MIT-APA12-EB-02**	EPA 9320	690811		
92748122002	**MIT-PZ-17**	EPA 9320	690811		
92748122003	**MIT-PZ-33**	EPA 9320	690811		
92748125001	**MIT-PZ-57**	EPA 9320	691959		
92748125002	**MIT-APA12-FD-02**	EPA 9320	691959		
92748125003	**MIT-PZ-7D**	EPA 9320	691959		
92747805001	**MIT-APA12-FB-01**	Total Radium Calculation	694073		
92747805002	**MIT-PZ-2D**	Total Radium Calculation	694073		
92747805003	**MIT-PZ-32**	Total Radium Calculation	694073		
92747805004	**MIT-PZ-25**	Total Radium Calculation	694073		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2-RADS
Pace Project No.: 92748122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747809001	**MIT-APA12-FB-02**	Total Radium Calculation	694073		
92747809002	**MIT-PZ-19**	Total Radium Calculation	694073		
92747809003	**MIT-PZ-15**	Total Radium Calculation	694073		
92747811001	**MIT-PZ-16**	Total Radium Calculation	694073		
92747811002	**MIT-PZ-14**	Total Radium Calculation	694073		
92747811003	**MIT-PZ-18**	Total Radium Calculation	694073		
92747811004	**MIT-APA12-FD-01**	Total Radium Calculation	694073		
92747814001	**MIT-PZ-1D**	Total Radium Calculation	694073		
92747814002	**MIT-PZ-31**	Total Radium Calculation	694073		
92747814003	**MIT-APA12-EB-01**	Total Radium Calculation	694073		
92747814004	**MIT-PZ-23A**	Total Radium Calculation	694073		
92748122001	**MIT-APA12-EB-02**	Total Radium Calculation	695062		
92748122002	**MIT-PZ-17**	Total Radium Calculation	695062		
92748122003	**MIT-PZ-33**	Total Radium Calculation	695062		
92748125001	**MIT-PZ-57**	Total Radium Calculation	694759		
92748125002	**MIT-APA12-FD-02**	Total Radium Calculation	694759		
92748125003	**MIT-PZ-7D**	Total Radium Calculation	694759		

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DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power - Mitchell

Project #: WO# : 92748122

92748122

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

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

Date/Initials Person Examining Contents: 8/16/24 DW

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

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

Thermometer: ☐ IR Gun ID: 230 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.8 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WQ WG	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

7778 6898 5109

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Dualtrax ID: 69614

Page 1 of 2

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92748122

PM: BV Due Date: 09/09/24

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client GA Power-Mitchell Profile/EZ (Circle one) 3142292 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A) (Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	
CC		AS	GK		51		GA																							
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
4																														
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

WO# : 92748122

PM: BV **Due Date: 09/09/24**

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB#:

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- BACKGROUND DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0 Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~Extra~~ MIT-APA12-EB-02	WG WP	G			8/15/24	0900	5			X	X	X	X	
~~Extra~~ MIT-PZ-17	WG	G				1050	5			X	X	X	X	
MIT-PZ-33	WG	G				1400	5			X	X	X	X	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16601
Preloc / Bottle Ord. ID: EZ 3142292

Preservation non-conformance identified for sample

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/15/24/1640		8/16/24 0930	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power - Mitchell

Project #: WO# : 92748125

92748125

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

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

Date/Initials Person Examining Contents: 5/16/2024

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

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

Thermometer: ☐ IR Gun ID: 230 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) 0

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WG	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

7778 6987 1124

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92748125

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: BV Due Date: 09/09/24
CLIENT: 92-GP-MIT

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

Client GA Power-Mitchell Profile/EZ (Circle one) 31422492 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP/N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG8V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	
CC																													
1		1	1		2		1																						
2		1	1		2		1																						
3		1	1		2		1																						
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

WO#: 92748125

PM: BV Due Date: 09/09/24

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- BACKGROUND DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-1D~~ MIT-PZ-57	WG	G			8/15/24	1114	5			X	X	X	X	
~~MIT-PZ-2D~~ MIT-APA12-FD-02	WG	G				—	5			X	X	X	X	
~~MIT-PZ-3I~~ MIT-PZ-7D	WG	G				1344	5			X	X	X	X	
~~MIT-PZ-3D~~	WT									X	X	X		
~~Extra 1~~	WT									X	X	X		
~~Extra 2~~	WT									X	X	X		
~~MIT-PZ-1D~~	WT												X	
~~MIT-PZ-2D~~	WT												X	
~~MIT-PZ-3I~~	WT												X	
~~MIT-PZ-3D~~	WT												X	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
- Proj. Mgr: Bonnie Vang
- AcctNum / Client ID:
- Table #:
- Profile / Template: 16601
- Prelog / Bottle Ord. ID: EZ 3142292

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By:
(Printed Name): Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/15/24 1640		5/16/24 0930	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mec

WO# : 92747805

92747805

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

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

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

Date/Initials Person Examining Contents: 9/15/24 DM

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.4 Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 2.3

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7728699455 1

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92747805

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: BV Due Date: 09/06/24
CLIENT: 92-GP-MIT

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH-/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					BPN																								
1		1	1		2	1																							
2		1	1		2	1																							
3		1	1		2	1																							
4		1	1		2	1																							
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12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

WO#: 92747805

PM: BV Due Date: 09/06/24

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4 F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-1D~~ MIT-APA12-FB-01	WG WW	G			8/13/24	1035	5			X	X	X	X	
~~MIT-PZ-2D~~ MIT-PZ-2D	WG WW	G				1224	5			X	X	X	X	
~~MIT-PZ-32~~ MIT-PZ-32	WG WW	G				1429	5			X	X	X	X	
~~MIT-PZ-25~~ MIT-PZ-25	WG WW	G				1600	5			X	X	X	X	
~~MIT-PZ-17~~	~~WT~~									X	X	X		
~~MIT-PZ-19~~	~~WT~~									X	X	X		
~~MIT-PZ-19~~	~~WT~~									X	X	X		
~~MIT-PZ-25A~~	~~WT~~									X	X	X		
~~MIT-PZ-25~~	~~WT~~									X	X	X		
~~MIT-PZ-33~~	~~WT~~									X	X	X		

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
- Proj. Mgr: Bonnie Vang
- AcctNum / Client ID:
- Table #:
- Profile / Template: 16601
- Prelog / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-2024S2

Collected By:
(Printed Name) Daniel Howard
Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Daniel Howard / WSP	8/14/24/1715	Rhonda Quinn	8/15/24 0950
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

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

Page: 1 of 17

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123©

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92747814

92747814

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

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

Date/Initials Person Examining Contents:

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

777869909990

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

WO#: 92747814

PM: BV Due Date: 09/06/24

CLIENT: 92-GP-MIT

Project #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																															
1		1	1		2		1																								
2		1	1		2		1																								
3		1	1		2		1																								
4		1	1		2		1																								
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

WO#: 92747814

PM: BV **Due Date: 09/06/24**

CLIENT: 92-GP-MIT

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quian@wsp.com
Customer Project #:			
Project Name:	MIT- ASH PONDS A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable | [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-1D~~ MIT-PZ-1D	WW	G			8/13/24	1355	5			X	X	X	X	
~~MIT-PZ-3I~~ MIT-PZ-3I	WW	G			8/13/24	1535	5			X	X	X	X	
MIT-APA12-EB-01	WQ	G			8/14/24	0845	5			X	X	X	X	
MIT-PZ-23A	WW	G			8/14/24	1102	5			X	X	X	X	

Specify Container Size **: 2 3 3 1

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

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) Na2SO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16601

Prelog / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard

Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24 1715	Chanda Hunter	8/15/24 0940	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORO-0019_v02_110123

Pace

DC#_Title: ENV-FRM-HUNT-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO#: 92747811

92747811

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

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

Date/Initials Person Examining Contents: 8/15/24 DH

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	SW			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

7778700045 61

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Qualtrax ID: 69614

Page 1 of 2

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92747811

PM: BV Due Date: 09/06/24

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A) (Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
4		1	1		2		1																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

WO#: 92747811

PM: BV **Due Date: 09/06/24**

CLIENT: 92-GP-MIT

Scan QR Code for instructions

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:		Invoice To:	Account Payable
Project Name:	MIT- ASH PONDS A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (If applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (If applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 2 3 3 1

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

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 50mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4 (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-15~~ MIT-PZ-16	WW GW	G			8/14/24	10:35	5			X	X	X	X	
~~MIT-PZ-17~~ MIT-PZ-14	WW GW	G				12:10	5			X	X	X	X	
MIT-PZ-18	WG	G				15:06	5			X	X	X	X	
MIT-APA12-FD-01	WG	G				—	5			X	X	X	X	

Lab Use Only

Proj. Mgr: Bonnie Vang

Acct/Num / Client ID:

Table #:

Profile / Template: 16601

Preloc / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-2024S2

Collected By: (Printed Name) Daniel Howard

Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24 1715	Clint Lafferty	8/15/24 0940	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO# : 92747809

92747809

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

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

Date/Initials Person Examining Contents: 8/15/24 DH

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

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

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY
7778699005 70

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Dualtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO# : 92747809

PM: BV Due Date: 09/06/24

CLIENT: 92-GP-MIT

Project #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-500 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		1																							
2		1	1		2		1																							
3		1	1		2		1																							
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Qualtrax ID: 69614

Page 2 of 2

WO# : 92747809

PM: BV **Due Date: 09/06/24**

CLIENT: 92-GP-MIT

Scan QR Code for instructions

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

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name:	Georgia Power- Mitchell	Contact/Report To:	Joju Abraham
Street Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308	Phone #:	
		E-Mail:	jabraham@southernco.com
		Cc E-Mail:	Rhonda.Quinn@wsp.com
Customer Project #:			
Project Name:	MIT- ASH PONDs A,1, and 2 (APA12) DETECTION MONITORING WELL NETWORK	Invoice To:	Account Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	GPC82474-0009
		Quote #:	

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

County / State origin of sample(s): Georgia

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	2540C Total Dissolved Solids	300.0-Cl, SO4, F	App III/IV Metals	RAD 226/228	Sample Comment
~~MIT-PZ-57~~ MIT-APA12-FR-02	~~WG~~	G			8/14/24	1155	5			X	X	X	X	
~~MIT-PZ-19~~ MIT-PZ-19	~~WG~~	G			8/14/24	1302	5			X	X	X	X	
~~MIT-PZ-15~~ MIT-PZ-15	~~WG~~	G			8/14/24	1454	5			X	X	X	X	
~~MIT-PZ-17~~	~~WT~~												X	
~~MIT-PZ-16~~	~~WT~~												X	
~~MIT-PZ-22~~	~~WT~~												X	
~~MIT-PZ-18~~	~~WT~~												X	
~~MIT-PZ-19~~	~~WT~~												X	
~~MIT-PZ-23A~~	~~WT~~												X	
MIT-PZ-25	WT												X	

Specify Container Size **: 2 3 3 1

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

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Bonnie Vang

AcctNum / Client ID:

Table #:

Profile / Template: 16601

Prelog / Bottle Ord. ID: EZ 3142302

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Task Code: MIT-CCR-ASSMT-202452

Collected By: (Printed Name) Daniel Howard

Signature: Daniel Howard

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Daniel Howard / WSP	8/14/24 / 1745	Charlie Hanks	8/15/24 0940	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	JJS1
Date:	8/26/2024
Worklist:	80889
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3363812
MB concentration:	0.480
M/B 2 Sigma CSU:	0.328
MB MDC:	0.623
MB Numerical Performance Indicator:	2.87
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80889	**LCSD80889**
Count Date:	8/28/2024	8/28/2024
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	35.492	35.492
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.815	0.818
Target Conc. (pCi/L, g, F):	4.353	4.337
Uncertainty (Calculated):	0.213	0.212
Result (pCi/L, g, F):	3.493	3.713
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.808	0.861
Numerical Performance Indicator:	-2.02	-1.38
Percent Recovery:	80.23%	85.62%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80889	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD80889	
Sample Result (pCi/L, g, F):	3.493	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.808	
Sample Duplicate Result (pCi/L, g, F):	3.713	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.861	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.366	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	6.50%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

VAL
8/29/24

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-226
Analyst:	SLC
Date:	9/3/2024
Worklist:	80879
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3363058
MB concentration:	0.108
M/B 2 Sigma CSU:	0.233
MB MDC:	0.544
MB Numerical Performance Indicator:	0.91
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80879	LCSD80879
Count Date:	9/4/2024	9/4/2024
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.020	25.020
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.503
Target Conc. (pCi/L, g, F):	4.914	4.971
Uncertainty (Calculated):	0.231	0.234
Result (pCi/L, g, F):	5.088	4.885
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.042	1.033
Numerical Performance Indicator:	0.32	-0.16
Percent Recovery:	103.55%	98.28%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80879	92747805004
Duplicate Sample I.D.	LCSD80879	92747805004DUP
Sample Result (pCi/L, g, F):	5.088	0.344
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.042	0.245
Sample Duplicate Result (pCi/L, g, F):	4.885	0.347
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.033	0.248
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.272	-0.014
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	5.22%	0.72%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

LAM 9/5/24

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-226
Analyst:	SLC
Date:	9/3/2024
Worklist:	80879
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3363058
MB concentration:	0.108
M/B 2 Sigma CSU:	0.233
MB MDC:	0.544
MB Numerical Performance Indicator:	0.91
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80879	**LCSD80879**
Count Date:	9/4/2024	9/4/2024
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.020	25.020
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.509	0.503
Target Conc. (pCi/L, g, F):	4.914	4.971
Uncertainty (Calculated):	0.231	0.234
Result (pCi/L, g, F):	5.088	4.885
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.042	1.033
Numerical Performance Indicator:	0.32	-0.16
Percent Recovery:	103.55%	98.28%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80879	92747805004
Duplicate Sample I.D.	LCSD80879	92747805004DUP
Sample Result (pCi/L, g, F):	5.088	0.344
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.042	0.245
Sample Duplicate Result (pCi/L, g, F):	4.885	0.347
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.033	0.248
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	0.272	-0.014
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	5.22%	0.72%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

LAM 9/5/24

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/5/2024
Worklist:	80898
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3364353
MB concentration:	-0.072
M/B 2 Sigma CSU:	0.087
MB MDC:	0.304
MB Numerical Performance Indicator:	-1.61
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80898	LCSD80898
Count Date:	9/9/2024	9/9/2024
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.020	25.020
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.508
Target Conc. (pCi/L, g, F):	4.975	4.921
Uncertainty (Calculated):	0.234	0.231
Result (pCi/L, g, F):	4.550	5.549
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.885	1.062
Numerical Performance Indicator:	-0.91	1.13
Percent Recovery:	91.46%	112.77%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80898	92748210015
Duplicate Sample I.D.	LCSD80898	92748210015DUP
Sample Result (pCi/L, g, F):	4.550	-0.011
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.885	0.134
Sample Duplicate Result (pCi/L, g, F):	5.549	0.077
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.062	0.163
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.417	-0.817
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	20.86%	266.42%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

LAM 9/9/24

MRH
9-9-24

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-228
Analyst:	ZPC
Date:	9/3/2024
Worklist:	80890
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3363813
MB concentration:	-0.149
M/B 2 Sigma CSU:	0.285
MB MDC:	0.702
MB Numerical Performance Indicator:	-1.03
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80890	**LCSD80890**
Count Date:	9/9/2024	9/9/2024
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	35.354	35.354
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.819
Target Conc. (pCi/L, g, F):	4.331	4.318
Uncertainty (Calculated):	0.212	0.212
Result (pCi/L, g, F):	3.203	3.358
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.761	0.799
Numerical Performance Indicator:	-2.80	-2.28
Percent Recovery:	73.96%	77.76%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80890	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD80890	
Sample Result (pCi/L, g, F):	3.203	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.761	
Sample Duplicate Result (pCi/L, g, F):	3.358	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.799	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.275	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	5.01%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

LAL
9/10/24

LAM 9/10/24

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test: Ra-228
Analyst: VAL
Date: 8/30/2024
Worklist: 80991
Matrix: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3369427
MB concentration:	0.214
M/B 2 Sigma CSU:	0.291
MB MDC:	0.622
MB Numerical Performance Indicator:	1.44
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80991	LCSD80991
Count Date:	9/4/2024	9/4/2024
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	35.412	35.412
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.817	0.819
Target Conc. (pCi/L, g, F):	4.333	4.326
Uncertainty (Calculated):	0.212	0.212
Result (pCi/L, g, F):	3.985	3.814
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.906	0.875
Numerical Performance Indicator:	-0.73	-1.11
Percent Recovery:	91.99%	88.17%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80991	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD80991	
Sample Result (pCi/L, g, F):	3.985	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.906	
Sample Duplicate Result (pCi/L, g, F):	3.814	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.875	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.266	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	4.24%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

VAL 9/5/24

AW 9/5/24

Quality Control Sample Performance Assessment

Pace Analytical™
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/5/2024
Worklist:	80898
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3364353
MB concentration:	-0.072
M/B 2 Sigma CSU:	0.087
MB MDC:	0.304
MB Numerical Performance Indicator:	-1.61
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS80898	LCSD80898
Count Date:	9/9/2024	9/9/2024
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.020	25.020
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.503	0.508
Target Conc. (pCi/L, g, F):	4.975	4.921
Uncertainty (Calculated):	0.234	0.231
Result (pCi/L, g, F):	4.550	5.549
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.885	1.062
Numerical Performance Indicator:	-0.91	1.13
Percent Recovery:	91.46%	112.77%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS80898	92748210015
Duplicate Sample I.D.	LCSD80898	92748210015DUP
Sample Result (pCi/L, g, F):	4.550	-0.011
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.885	0.134
Sample Duplicate Result (pCi/L, g, F):	5.549	0.077
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.062	0.163
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.417	-0.817
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	20.86%	266.42%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

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

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

Comments:

LAM 9/9/24

APPENDIX C

LABORATORY ANALYTICAL
MARCH 2025

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

April 01, 2025

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

RE: Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 13, 2025 and March 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang

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

Enclosures

cc: Laura Midkiff, Southern Company
Rhonda Quinn, WSP
Greg Wrenn, WSP

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

CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Pace Analytical Services National

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

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92784814001	**MIT-PZ-1D**	Water	03/11/25 14:30	03/13/25 09:23
92784814002	**MIT-PZ-31**	Water	03/11/25 15:55	03/13/25 09:23
92784814003	**MIT-PZ-16**	Water	03/12/25 10:40	03/13/25 09:23
92784814004	**MIT-PZ-14**	Water	03/12/25 12:33	03/13/25 09:23
92784814005	**MIT-APA12-FB-01**	Water	03/11/25 13:55	03/13/25 09:23
92784814006	**MIT-PZ-2D**	Water	03/11/25 15:14	03/13/25 09:23
92784814007	**MIT-APA12-EB-01**	Water	03/12/25 08:55	03/13/25 09:23
92784814008	**MIT-PZ-32**	Water	03/12/25 10:36	03/13/25 09:23
92784814009	**MIT-PZ-25**	Water	03/12/25 12:30	03/13/25 09:23
92784814010	**MIT-APA12-FD-02**	Water	03/12/25 00:00	03/13/25 09:23
92784814011	**MIT-PZ-19**	Water	03/12/25 14:40	03/13/25 09:23
92784814012	**MIT-APA12-FB-02**	Water	03/12/25 15:30	03/13/25 09:23
92784814013	**MIT-PZ-18**	Water	03/12/25 14:30	03/13/25 09:23
92784814014	**MIT-PZ-17**	Water	03/12/25 15:40	03/13/25 09:23
92784814015	**MIT-APA12-EB-02**	Water	03/13/25 09:30	03/14/25 09:12
92784814016	**MIT-PZ-57**	Water	03/13/25 10:57	03/14/25 09:12
92784814017	**MIT-PZ-15**	Water	03/13/25 12:54	03/14/25 09:12
92784814018	**MIT-PZ-23A**	Water	03/13/25 14:32	03/14/25 09:12
92784814019	**MIT-PZ-7D**	Water	03/13/25 10:05	03/14/25 09:12
92784814020	**MIT-APA12-FD-01**	Water	03/13/25 00:00	03/14/25 09:12
92784814021	**MIT-PZ-33**	Water	03/13/25 12:05	03/14/25 09:12

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SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92784814001	**MIT-PZ-1D**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814002	**MIT-PZ-31**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814003	**MIT-PZ-16**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814004	**MIT-PZ-14**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814005	**MIT-APA12-FB-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814006	**MIT-PZ-2D**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CMW1	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814007	**MIT-APA12-EB-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814008	**MIT-PZ-32**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814009	**MIT-PZ-25**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814010	**MIT-APA12-FD-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814011	**MIT-PZ-19**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814012	**MIT-APA12-FB-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814013	**MIT-PZ-18**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814014	**MIT-PZ-17**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814015	**MIT-APA12-EB-02**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC

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SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	KJW	1	PASI-WC
92784814016	**MIT-PZ-57**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814017	**MIT-PZ-15**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814018	**MIT-PZ-23A**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814019	**MIT-PZ-7D**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814020	**MIT-APA12-FD-01**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC
92784814021	**MIT-PZ-33**	EPA 6020B	LD	1	PAN
		SM 2540C-2015	YEG	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BK1	13	PASI-WC
		EPA 7470A	KJW	1	PASI-WC

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

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784814001	**MIT-PZ-1D**					
SM 2540C-2015	Total Dissolved Solids	161	mg/L	25.0	03/17/25 23:06	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	03/14/25 14:25	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	03/14/25 14:25	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/26/25 00:23	
EPA 6020B	Boron	0.010J	mg/L	0.040	03/26/25 00:23	
EPA 6020B	Cadmium	0.00016J	mg/L	0.00050	03/26/25 00:23	
EPA 6020B	Calcium	47.9	mg/L	10.0	03/26/25 17:20	
92784814002	**MIT-PZ-31**					
EPA 6020B	Lithium	0.00226J	mg/L	0.0300	03/19/25 21:52	J
SM 2540C-2015	Total Dissolved Solids	259	mg/L	25.0	03/17/25 23:06	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	03/14/25 14:39	
EPA 300.0 Rev 2.1 1993	Sulfate	0.56J	mg/L	1.0	03/14/25 14:39	
EPA 6020B	Barium	0.0080	mg/L	0.0050	03/26/25 00:32	
EPA 6020B	Boron	0.0093J	mg/L	0.040	03/26/25 00:32	
EPA 6020B	Calcium	92.3	mg/L	10.0	03/26/25 17:29	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/26/25 00:32	
92784814003	**MIT-PZ-16**					
EPA 6020B	Lithium	0.00130J	mg/L	0.0300	03/19/25 21:55	J
SM 2540C-2015	Total Dissolved Solids	328	mg/L	25.0	03/19/25 11:10	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	03/14/25 14:52	
EPA 300.0 Rev 2.1 1993	Sulfate	37.8	mg/L	1.0	03/14/25 14:52	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/26/25 00:42	
EPA 6020B	Boron	0.20	mg/L	0.040	03/26/25 00:42	
EPA 6020B	Calcium	93.4	mg/L	10.0	03/26/25 17:39	
EPA 6020B	Chromium	0.0013J	mg/L	0.0050	03/26/25 00:42	
92784814004	**MIT-PZ-14**					
EPA 6020B	Lithium	0.00112J	mg/L	0.0300	03/19/25 21:59	J
SM 2540C-2015	Total Dissolved Solids	304	mg/L	25.0	03/19/25 11:10	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	03/14/25 15:05	
EPA 300.0 Rev 2.1 1993	Sulfate	13.9	mg/L	1.0	03/14/25 15:05	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/26/25 00:51	
EPA 6020B	Boron	0.029J	mg/L	0.040	03/26/25 00:51	
EPA 6020B	Calcium	100	mg/L	10.0	03/26/25 17:48	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/26/25 00:51	
92784814006	**MIT-PZ-2D**					
EPA 6020B	Lithium	0.00145J	mg/L	0.0300	03/19/25 22:13	J
SM 2540C-2015	Total Dissolved Solids	82.0	mg/L	25.0	03/17/25 23:07	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	03/14/25 15:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	03/14/25 15:19	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	03/14/25 15:19	
EPA 6020B	Barium	0.0043J	mg/L	0.0050	03/26/25 01:36	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/26/25 01:36	
EPA 6020B	Calcium	20.8	mg/L	1.0	03/26/25 01:36	
EPA 6020B	Chromium	0.0068	mg/L	0.0050	03/26/25 01:36	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784814008	**MIT-PZ-32**					
SM 2540C-2015	Total Dissolved Solids	200	mg/L	25.0	03/19/25 11:11	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	03/14/25 19:29	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	03/14/25 19:29	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/26/25 01:55	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/26/25 01:55	
EPA 6020B	Calcium	66.8	mg/L	10.0	03/26/25 17:57	M1
92784814009	**MIT-PZ-25**					
EPA 6020B	Lithium	0.00835J	mg/L	0.0300	03/19/25 22:22	J
SM 2540C-2015	Total Dissolved Solids	298	mg/L	25.0	03/19/25 11:11	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	03/14/25 19:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	03/14/25 19:43	
EPA 300.0 Rev 2.1 1993	Sulfate	35.3	mg/L	1.0	03/14/25 19:43	
EPA 6020B	Barium	0.097	mg/L	0.0050	03/26/25 02:40	
EPA 6020B	Boron	0.19	mg/L	0.040	03/26/25 02:40	
EPA 6020B	Calcium	90.7	mg/L	10.0	03/27/25 16:48	
EPA 6020B	Thallium	0.00075J	mg/L	0.0010	03/26/25 02:40	
92784814010	**MIT-APA12-FD-02**					
EPA 6020B	Lithium	0.00829J	mg/L	0.0300	03/19/25 22:25	J
SM 2540C-2015	Total Dissolved Solids	304	mg/L	25.0	03/19/25 11:11	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	03/14/25 19:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	03/14/25 19:56	
EPA 300.0 Rev 2.1 1993	Sulfate	35.0	mg/L	1.0	03/14/25 19:56	
EPA 6020B	Barium	0.097	mg/L	0.0050	03/26/25 02:49	
EPA 6020B	Boron	0.19	mg/L	0.040	03/26/25 02:49	
EPA 6020B	Calcium	85.7	mg/L	10.0	03/26/25 19:01	
EPA 6020B	Thallium	0.00074J	mg/L	0.0010	03/26/25 02:49	
92784814011	**MIT-PZ-19**					
EPA 6020B	Lithium	0.0157J	mg/L	0.0300	03/19/25 22:29	J
SM 2540C-2015	Total Dissolved Solids	538	mg/L	50.0	03/19/25 11:11	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	03/14/25 20:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	03/14/25 20:09	
EPA 300.0 Rev 2.1 1993	Sulfate	79.8	mg/L	1.0	03/14/25 20:09	
EPA 6020B	Barium	0.050	mg/L	0.0050	03/26/25 02:59	
EPA 6020B	Boron	0.66	mg/L	0.40	03/26/25 19:10	
EPA 6020B	Calcium	137	mg/L	10.0	03/26/25 19:10	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	03/26/25 02:59	
EPA 6020B	Thallium	0.00054J	mg/L	0.0010	03/26/25 02:59	
92784814013	**MIT-PZ-18**					
EPA 6020B	Lithium	0.00579J	mg/L	0.0300	03/19/25 22:35	J
SM 2540C-2015	Total Dissolved Solids	475	mg/L	25.0	03/19/25 11:12	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	03/14/25 20:23	
EPA 300.0 Rev 2.1 1993	Sulfate	89.9	mg/L	1.0	03/14/25 20:23	
EPA 6020B	Barium	0.034	mg/L	0.0050	03/26/25 03:53	
EPA 6020B	Boron	0.41	mg/L	0.20	03/26/25 19:19	
EPA 6020B	Calcium	142	mg/L	5.0	03/26/25 19:19	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784814013	**MIT-PZ-18**					
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	03/26/25 03:53	
92784814014	**MIT-PZ-17**					
EPA 6020B	Lithium	0.00101J	mg/L	0.0300	03/19/25 22:38	J
SM 2540C-2015	Total Dissolved Solids	252	mg/L	25.0	03/19/25 11:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	03/14/25 20:36	
EPA 300.0 Rev 2.1 1993	Sulfate	31.5	mg/L	1.0	03/14/25 20:36	
EPA 6020B	Barium	0.050	mg/L	0.0050	03/26/25 04:03	
EPA 6020B	Boron	0.079	mg/L	0.040	03/26/25 04:03	
EPA 6020B	Calcium	74.6	mg/L	10.0	03/26/25 19:28	
EPA 6020B	Thallium	0.00035J	mg/L	0.0010	03/26/25 04:03	
92784814016	**MIT-PZ-57**					
EPA 6020B	Lithium	0.000708J	mg/L	0.0300	03/19/25 22:52	J
SM 2540C-2015	Total Dissolved Solids	321	mg/L	25.0	03/28/25 16:04	H1
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	03/15/25 23:15	
EPA 300.0 Rev 2.1 1993	Sulfate	56.8	mg/L	1.0	03/15/25 23:15	
EPA 6020B	Barium	0.053	mg/L	0.0050	03/26/25 04:21	
EPA 6020B	Boron	0.18	mg/L	0.040	03/26/25 04:21	
EPA 6020B	Calcium	96.3	mg/L	10.0	03/26/25 19:38	
EPA 6020B	Chromium	0.0059	mg/L	0.0050	03/26/25 04:21	
92784814017	**MIT-PZ-15**					
EPA 6020B	Lithium	0.00121J	mg/L	0.0300	03/20/25 15:02	J
SM 2540C-2015	Total Dissolved Solids	329	mg/L	25.0	03/28/25 16:04	H1
EPA 300.0 Rev 2.1 1993	Chloride	5.6	mg/L	1.0	03/15/25 23:30	
EPA 300.0 Rev 2.1 1993	Sulfate	72.6	mg/L	1.0	03/15/25 23:30	
EPA 6020B	Barium	0.059	mg/L	0.0050	03/26/25 04:30	
EPA 6020B	Boron	0.20	mg/L	0.040	03/26/25 04:30	
EPA 6020B	Calcium	92.8	mg/L	10.0	03/26/25 19:47	
92784814018	**MIT-PZ-23A**					
SM 2540C-2015	Total Dissolved Solids	435	mg/L	25.0	03/28/25 16:06	H1
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	03/15/25 23:46	
EPA 300.0 Rev 2.1 1993	Sulfate	33.3	mg/L	1.0	03/15/25 23:46	
EPA 6020B	Barium	0.038	mg/L	0.0050	03/26/25 04:39	
EPA 6020B	Boron	0.14	mg/L	0.040	03/26/25 04:39	
EPA 6020B	Calcium	137	mg/L	10.0	03/26/25 19:56	
EPA 6020B	Chromium	0.0028J	mg/L	0.0050	03/26/25 04:39	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	03/26/25 04:39	
92784814019	**MIT-PZ-7D**					
EPA 6020B	Lithium	0.00215J	mg/L	0.0300	03/20/25 15:09	J
SM 2540C-2015	Total Dissolved Solids	316	mg/L	25.0	03/28/25 16:06	H1
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	03/16/25 00:01	
EPA 300.0 Rev 2.1 1993	Sulfate	34.9	mg/L	1.0	03/16/25 00:01	
EPA 6020B	Barium	0.0064	mg/L	0.0050	03/27/25 19:05	
EPA 6020B	Boron	0.18	mg/L	0.040	03/27/25 19:05	
EPA 6020B	Calcium	95.8	mg/L	5.0	03/28/25 08:48	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784814019	**MIT-PZ-7D**					
EPA 6020B	Chromium	0.0021J	mg/L	0.0050	03/27/25 19:05	
92784814020	**MIT-APA12-FD-01**					
EPA 6020B	Lithium	0.00215J	mg/L	0.0300	03/20/25 15:12	J
SM 2540C-2015	Total Dissolved Solids	310	mg/L	25.0	03/28/25 16:06	H1
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	03/16/25 00:48	
EPA 300.0 Rev 2.1 1993	Sulfate	34.9	mg/L	1.0	03/16/25 00:48	
EPA 6020B	Barium	0.0064	mg/L	0.0050	03/27/25 19:14	
EPA 6020B	Boron	0.18	mg/L	0.040	03/27/25 19:14	
EPA 6020B	Calcium	95.1	mg/L	5.0	03/28/25 08:57	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	03/27/25 19:14	
92784814021	**MIT-PZ-33**					
SM 2540C-2015	Total Dissolved Solids	323	mg/L	25.0	03/28/25 16:06	H1
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	03/16/25 02:05	
EPA 300.0 Rev 2.1 1993	Sulfate	31.3	mg/L	1.0	03/16/25 02:05	
EPA 6020B	Barium	0.045	mg/L	0.0050	03/27/25 19:23	
EPA 6020B	Boron	0.34	mg/L	0.20	03/28/25 09:07	
EPA 6020B	Calcium	97.8	mg/L	5.0	03/28/25 09:07	M1

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-1D **Lab ID: 92784814001** Collected: 03/11/25 14:30 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 21:36	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**161**	mg/L	25.0	25.0	1		03/17/25 23:06		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		03/14/25 14:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 14:25	16984-48-8	
Sulfate	**1.8**	mg/L	1.0	0.50	1		03/14/25 14:25	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 00:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:23	7440-38-2	
Barium	**0.013**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 00:23	7440-41-7	
Boron	**0.010J**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 00:23	7440-42-8	
Cadmium	**0.00016J**	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 00:23	7440-43-9	
Calcium	**47.9**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 17:20	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 00:23	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 00:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 00:23	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-31 **Lab ID: 92784814002** Collected: 03/11/25 15:55 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00226J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 21:52	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**259**	mg/L	25.0	25.0	1		03/17/25 23:06		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.5**	mg/L	1.0	0.60	1		03/14/25 14:39	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 14:39	16984-48-8	
Sulfate	**0.56J**	mg/L	1.0	0.50	1		03/14/25 14:39	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 00:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:32	7440-38-2	
Barium	**0.0080**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 00:32	7440-41-7	
Boron	**0.0093J**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 00:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 00:32	7440-43-9	
Calcium	**92.3**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 17:29	7440-70-2	
Chromium	**0.0015J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 00:32	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 00:32	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:32	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 00:32	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:32	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-16 **Lab ID: 92784814003** Collected: 03/12/25 10:40 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00130J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 21:55	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**328**	mg/L	25.0	25.0	1		03/19/25 11:10		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**6.1**	mg/L	1.0	0.60	1		03/14/25 14:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 14:52	16984-48-8	
Sulfate	**37.8**	mg/L	1.0	0.50	1		03/14/25 14:52	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 00:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:42	7440-38-2	
Barium	**0.040**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 00:42	7440-41-7	
Boron	**0.20**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 00:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 00:42	7440-43-9	
Calcium	**93.4**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 17:39	7440-70-2	
Chromium	**0.0013J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 00:42	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 00:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:42	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 00:42	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-14 **Lab ID: 92784814004** Collected: 03/12/25 12:33 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00112J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 21:59	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**304**	mg/L	25.0	25.0	1		03/19/25 11:10		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.6**	mg/L	1.0	0.60	1		03/14/25 15:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 15:05	16984-48-8	
Sulfate	**13.9**	mg/L	1.0	0.50	1		03/14/25 15:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 00:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:51	7440-38-2	
Barium	**0.015**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 00:51	7440-41-7	
Boron	**0.029J**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 00:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 00:51	7440-43-9	
Calcium	**100**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 17:48	7440-70-2	
Chromium	**0.0015J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 00:51	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 00:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 00:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 00:51	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-FB-01 **Lab ID: 92784814005** Collected: 03/11/25 13:55 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:09	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		03/17/25 23:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		03/14/25 06:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 06:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/14/25 06:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 01:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 01:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 01:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 01:00	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/25/25 09:41	03/26/25 01:00	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 01:00	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 01:00	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 01:00	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:39	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-2D **Lab ID: 92784814006** Collected: 03/11/25 15:14 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00145J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:13	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**82.0**	mg/L	25.0	25.0	1		03/17/25 23:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.6**	mg/L	1.0	0.60	1		03/14/25 15:19	16887-00-6	
Fluoride	**0.052J**	mg/L	0.10	0.050	1		03/14/25 15:19	16984-48-8	
Sulfate	**2.2**	mg/L	1.0	0.50	1		03/14/25 15:19	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 01:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:36	7440-38-2	
Barium	**0.0043J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 01:36	7440-41-7	
Boron	**0.013J**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 01:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 01:36	7440-43-9	
Calcium	**20.8**	mg/L	1.0	0.10	1	03/25/25 09:41	03/26/25 01:36	7440-70-2	
Chromium	**0.0068**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 01:36	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 01:36	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:36	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 01:36	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-EB-01 **Lab ID: 92784814007** Collected: 03/12/25 08:55 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:16	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		03/14/25 15:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 15:32	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/14/25 15:32	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 01:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:46	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 01:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 01:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 01:46	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/25/25 09:41	03/26/25 01:46	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 01:46	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 01:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 01:46	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:50	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-32 **Lab ID: 92784814008** Collected: 03/12/25 10:36 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:19	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**200**	mg/L	25.0	25.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**2.6**	mg/L	1.0	0.60	1		03/14/25 19:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 19:29	16984-48-8	
Sulfate	**1.6**	mg/L	1.0	0.50	1		03/14/25 19:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 01:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:55	7440-38-2	
Barium	**0.016**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 01:55	7440-41-7	
Boron	**0.014J**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 01:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 01:55	7440-43-9	
Calcium	**66.8**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 17:57	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 01:55	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 01:55	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 01:55	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 01:55	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 18:57	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-25 **Lab ID: 92784814009** Collected: 03/12/25 12:30 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00835J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:22	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**298**	mg/L	25.0	25.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.8**	mg/L	1.0	0.60	1		03/14/25 19:43	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		03/14/25 19:43	16984-48-8	
Sulfate	**35.3**	mg/L	1.0	0.50	1		03/14/25 19:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 02:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:40	7440-38-2	
Barium	**0.097**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 02:40	7440-41-7	
Boron	**0.19**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 02:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 02:40	7440-43-9	
Calcium	**90.7**	mg/L	10.0	1.0	10	03/25/25 09:41	03/27/25 16:48	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:40	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 02:40	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 02:40	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:40	7782-49-2	
Thallium	**0.00075J**	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 02:40	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-FD-02 **Lab ID: 92784814010** Collected: 03/12/25 00:00 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00829J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:25	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**304**	mg/L	25.0	25.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.8**	mg/L	1.0	0.60	1		03/14/25 19:56	16887-00-6	
Fluoride	**0.13**	mg/L	0.10	0.050	1		03/14/25 19:56	16984-48-8	
Sulfate	**35.0**	mg/L	1.0	0.50	1		03/14/25 19:56	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 02:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:49	7440-38-2	
Barium	**0.097**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 02:49	7440-41-7	
Boron	**0.19**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 02:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 02:49	7440-43-9	
Calcium	**85.7**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:01	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 02:49	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 02:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:49	7782-49-2	
Thallium	**0.00074J**	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 02:49	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:02	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-19 **Lab ID: 92784814011** Collected: 03/12/25 14:40 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0157J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:29	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**538**	mg/L	50.0	50.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.3**	mg/L	1.0	0.60	1		03/14/25 20:09	16887-00-6	
Fluoride	**0.055J**	mg/L	0.10	0.050	1		03/14/25 20:09	16984-48-8	
Sulfate	**79.8**	mg/L	1.0	0.50	1		03/14/25 20:09	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 02:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:59	7440-38-2	
Barium	**0.050**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 02:59	7440-41-7	
Boron	**0.66**	mg/L	0.40	0.062	10	03/25/25 09:41	03/26/25 19:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 02:59	7440-43-9	
Calcium	**137**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:10	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:59	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 02:59	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 02:59	7439-98-7	
Selenium	**0.0022J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 02:59	7782-49-2	
Thallium	**0.00054J**	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 02:59	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:05	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-FB-02 **Lab ID: 92784814012** Collected: 03/12/25 15:30 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:32	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		03/19/25 11:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		03/14/25 07:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 07:37	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/14/25 07:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 03:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 03:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 03:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 03:44	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/25/25 09:41	03/26/25 03:44	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 03:44	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 03:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:44	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 03:44	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:07	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-18 **Lab ID: 92784814013** Collected: 03/12/25 14:30 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00579J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:35	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**475**	mg/L	25.0	25.0	1		03/19/25 11:12		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**4.3**	mg/L	1.0	0.60	1		03/14/25 20:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 20:23	16984-48-8	
Sulfate	**89.9**	mg/L	1.0	0.50	1		03/14/25 20:23	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 03:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:53	7440-38-2	
Barium	**0.034**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 03:53	7440-41-7	
Boron	**0.41**	mg/L	0.20	0.031	5	03/25/25 09:41	03/26/25 19:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 03:53	7440-43-9	
Calcium	**142**	mg/L	5.0	0.50	5	03/25/25 09:41	03/26/25 19:19	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:53	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 03:53	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 03:53	7439-98-7	
Selenium	**0.0014J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 03:53	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 03:53	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:10	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-17 **Lab ID: 92784814014** Collected: 03/12/25 15:40 Received: 03/13/25 09:23 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00101J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:38	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**252**	mg/L	25.0	25.0	1		03/19/25 11:12		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.8**	mg/L	1.0	0.60	1		03/14/25 20:36	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/14/25 20:36	16984-48-8	
Sulfate	**31.5**	mg/L	1.0	0.50	1		03/14/25 20:36	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 04:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:03	7440-38-2	
Barium	**0.050**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 04:03	7440-41-7	
Boron	**0.079**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 04:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 04:03	7440-43-9	
Calcium	**74.6**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:28	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:03	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 04:03	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 04:03	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:03	7782-49-2	
Thallium	**0.00035J**	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 04:03	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:12	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-EB-02 **Lab ID: 92784814015** Collected: 03/13/25 09:30 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:49	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		03/28/25 16:04		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		03/15/25 17:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/25 17:04	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/15/25 17:04	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 04:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:12	7440-38-2	
Barium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 04:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 04:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 04:12	7440-43-9	
Calcium	ND	mg/L	1.0	0.10	1	03/25/25 09:41	03/26/25 04:12	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 04:12	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 04:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 04:12	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:35	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-57 **Lab ID: 92784814016** Collected: 03/13/25 10:57 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.000708J**	mg/L	0.0300	0.000600	1	03/18/25 19:07	03/19/25 22:52	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**321**	mg/L	25.0	25.0	1		03/28/25 16:04		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**1.9**	mg/L	1.0	0.60	1		03/15/25 23:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/25 23:15	16984-48-8	
Sulfate	**56.8**	mg/L	1.0	0.50	1		03/15/25 23:15	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 04:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:21	7440-38-2	
Barium	**0.053**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 04:21	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 04:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 04:21	7440-43-9	
Calcium	**96.3**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:38	7440-70-2	
Chromium	**0.0059**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 04:21	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 04:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:21	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 04:21	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:43	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-15 **Lab ID: 92784814017** Collected: 03/13/25 12:54 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00121J**	mg/L	0.0300	0.000600	1	03/19/25 13:01	03/20/25 15:02	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**329**	mg/L	25.0	25.0	1		03/28/25 16:04		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**5.6**	mg/L	1.0	0.60	1		03/15/25 23:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/25 23:30	16984-48-8	
Sulfate	**72.6**	mg/L	1.0	0.50	1		03/15/25 23:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 04:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:30	7440-38-2	
Barium	**0.059**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 04:30	7440-41-7	
Boron	**0.20**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 04:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 04:30	7440-43-9	
Calcium	**92.8**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:47	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 04:30	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 04:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 04:30	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:50	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-23A **Lab ID: 92784814018** Collected: 03/13/25 14:32 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/19/25 13:01	03/20/25 14:49	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**435**	mg/L	25.0	25.0	1		03/28/25 16:06		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.3**	mg/L	1.0	0.60	1		03/15/25 23:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/15/25 23:46	16984-48-8	
Sulfate	**33.3**	mg/L	1.0	0.50	1		03/15/25 23:46	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/25/25 09:41	03/26/25 04:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:39	7440-38-2	
Barium	**0.038**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/25/25 09:41	03/26/25 04:39	7440-41-7	
Boron	**0.14**	mg/L	0.040	0.0062	1	03/25/25 09:41	03/26/25 04:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/25/25 09:41	03/26/25 04:39	7440-43-9	
Calcium	**137**	mg/L	10.0	1.0	10	03/25/25 09:41	03/26/25 19:56	7440-70-2	
Chromium	**0.0028J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/25/25 09:41	03/26/25 04:39	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/25/25 09:41	03/26/25 04:39	7439-98-7	
Selenium	**0.0017J**	mg/L	0.0050	0.0012	1	03/25/25 09:41	03/26/25 04:39	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/25/25 09:41	03/26/25 04:39	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:53	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-7D **Lab ID: 92784814019** Collected: 03/13/25 10:05 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00215J**	mg/L	0.0300	0.000600	1	03/19/25 13:01	03/20/25 15:09	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**316**	mg/L	25.0	25.0	1		03/28/25 16:06		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		03/16/25 00:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/16/25 00:01	16984-48-8	
Sulfate	**34.9**	mg/L	1.0	0.50	1		03/16/25 00:01	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/26/25 10:55	03/27/25 19:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:05	7440-38-2	
Barium	**0.0064**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/26/25 10:55	03/27/25 19:05	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.0062	1	03/26/25 10:55	03/27/25 19:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/26/25 10:55	03/27/25 19:05	7440-43-9	
Calcium	**95.8**	mg/L	5.0	0.50	5	03/26/25 10:55	03/28/25 08:48	7440-70-2	
Chromium	**0.0021J**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:05	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/26/25 10:55	03/27/25 19:05	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/26/25 10:55	03/27/25 19:05	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:05	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/26/25 10:55	03/27/25 19:05	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:56	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-APA12-FD-01 **Lab ID: 92784814020** Collected: 03/13/25 00:00 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00215J**	mg/L	0.0300	0.000600	1	03/19/25 13:01	03/20/25 15:12	7439-93-2	J
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**310**	mg/L	25.0	25.0	1		03/28/25 16:06		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		03/16/25 00:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/16/25 00:48	16984-48-8	
Sulfate	**34.9**	mg/L	1.0	0.50	1		03/16/25 00:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/26/25 10:55	03/27/25 19:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:14	7440-38-2	
Barium	**0.0064**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/26/25 10:55	03/27/25 19:14	7440-41-7	
Boron	**0.18**	mg/L	0.040	0.0062	1	03/26/25 10:55	03/27/25 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/26/25 10:55	03/27/25 19:14	7440-43-9	
Calcium	**95.1**	mg/L	5.0	0.50	5	03/26/25 10:55	03/28/25 08:57	7440-70-2	
Chromium	**0.0019J**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/26/25 10:55	03/27/25 19:14	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/26/25 10:55	03/27/25 19:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/26/25 10:55	03/27/25 19:14	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 19:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Sample: MIT-PZ-33 **Lab ID: 92784814021** Collected: 03/13/25 12:05 Received: 03/14/25 09:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.0300	0.000600	1	03/19/25 13:01	03/20/25 15:37	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville								
Total Dissolved Solids	**323**	mg/L	25.0	25.0	1		03/28/25 16:06		H1
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.0**	mg/L	1.0	0.60	1		03/16/25 02:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/16/25 02:05	16984-48-8	
Sulfate	**31.3**	mg/L	1.0	0.50	1		03/16/25 02:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0030	0.00050	1	03/26/25 10:55	03/27/25 19:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:23	7440-38-2	
Barium	**0.045**	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.00015	1	03/26/25 10:55	03/27/25 19:23	7440-41-7	
Boron	**0.34**	mg/L	0.20	0.031	5	03/26/25 10:55	03/28/25 09:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/26/25 10:55	03/27/25 19:23	7440-43-9	
Calcium	**97.8**	mg/L	5.0	0.50	5	03/26/25 10:55	03/28/25 09:07	7440-70-2	M1
Chromium	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	03/26/25 10:55	03/27/25 19:23	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	03/26/25 10:55	03/27/25 19:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	03/26/25 10:55	03/27/25 19:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00015	1	03/26/25 10:55	03/27/25 19:23	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	03/23/25 04:15	03/27/25 20:01	7439-97-6	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 2471418
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014, 92784814015, 92784814016

METHOD BLANK: R4188541-1 Matrix: Water
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014, 92784814015, 92784814016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/19/25 21:30	

LABORATORY CONTROL SAMPLE: R4188541-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0484	96.8	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188541-4 R4188541-5

Parameter	Units	92784814001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0491	0.0484	98.3	96.8	75.0-125	1.50	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 2471420
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

METHOD BLANK: R4188996-1 Matrix: Water
Associated Lab Samples: 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.0300	0.000600	03/20/25 14:36	

LABORATORY CONTROL SAMPLE: R4188996-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0478	95.5	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4188996-4 R4188996-5

Parameter	Units	92784814018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	ND	0.0500	0.0500	0.0472	0.0483	94.5	96.6	75.0-125	2.21	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 922846 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814001, 92784814002, 92784814005, 92784814006

METHOD BLANK: 4741639 Matrix: Water
Associated Lab Samples: 92784814001, 92784814002, 92784814005, 92784814006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	03/17/25 23:05	

LABORATORY CONTROL SAMPLE: 4741640

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

SAMPLE DUPLICATE: 4741641

Parameter	Units	92784400003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	295	286	3	25	

SAMPLE DUPLICATE: 4741642

Parameter	Units	92784642006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	221	211	5	25	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 922856
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814003, 92784814004, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

METHOD BLANK: 4741671 Matrix: Water
Associated Lab Samples: 92784814003, 92784814004, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	03/19/25 11:10	

LABORATORY CONTROL SAMPLE: 4741672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	256	102	90-110	

SAMPLE DUPLICATE: 4741673

Parameter	Units	92784780013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 4741674

Parameter	Units	92784814014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	252	251	0	25	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 923391 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

METHOD BLANK: 4744332 Matrix: Water
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	03/28/25 16:04	

LABORATORY CONTROL SAMPLE: 4744333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	250	100	90-110	

SAMPLE DUPLICATE: 4744334

Parameter	Units	92784814015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	H1

SAMPLE DUPLICATE: 4744335

Parameter	Units	92785108003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	87.0	81.0	7	25	H1

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 922172
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

METHOD BLANK: 4738515 Matrix: Water
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/13/25 22:31	
Fluoride	mg/L	ND	0.10	0.050	03/13/25 22:31	
Sulfate	mg/L	ND	1.0	0.50	03/13/25 22:31	

LABORATORY CONTROL SAMPLE: 4738516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4738517 4738518

Parameter	Units	92784932007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	66.6	50	50	97.2	94.5	61	56	90-110	3	10	M1
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	97	98	90-110	1	10	
Sulfate	mg/L	9.8	50	50	59.8	60.8	100	102	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4738519 4738520

Parameter	Units	92784814007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	49.5	51.0	99	102	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.4	94	97	90-110	4	10	
Sulfate	mg/L	ND	50	50	48.8	50.4	98	101	90-110	3	10	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 922580
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019

METHOD BLANK: 4740514 Matrix: Water
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/15/25 16:33	
Fluoride	mg/L	ND	0.10	0.050	03/15/25 16:33	
Sulfate	mg/L	ND	1.0	0.50	03/15/25 16:33	

LABORATORY CONTROL SAMPLE: 4740515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740516 4740517

Parameter	Units	92785089014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.8	50	50	71.4	72.3	97	99	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	94	95	90-110	0	10	
Sulfate	mg/L	ND	50	50	47.1	48.0	94	96	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740518 4740519

Parameter	Units	92785089015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.8	50	50	51.3	50.7	99	98	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	105	103	90-110	2	10	
Sulfate	mg/L	0.73J	50	50	49.1	48.4	97	95	90-110	1	10	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 922581
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92784814020, 92784814021

METHOD BLANK: 4740520 Matrix: Water
Associated Lab Samples: 92784814020, 92784814021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/16/25 00:17	
Fluoride	mg/L	ND	0.10	0.050	03/16/25 00:17	
Sulfate	mg/L	ND	1.0	0.50	03/16/25 00:17	

LABORATORY CONTROL SAMPLE: 4740521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.4	94	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740522 4740523

Parameter	Units	92784814020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.1	50	50	52.5	52.3	99	98	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	90	90	90-110	1	10	
Sulfate	mg/L	34.9	50	50	82.8	82.6	96	95	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4740524 4740525

Parameter	Units	92785108008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.6	50	50	52.8	53.2	99	99	90-110	1	10	
Fluoride	mg/L	0.066J	2.5	2.5	2.3	2.3	89	90	90-110	1	10	M1
Sulfate	mg/L	178	50	50	219	218	83	81	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 924409
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014, 92784814015, 92784814016, 92784814017, 92784814018

METHOD BLANK: 4749109
Matrix: Water
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014, 92784814015, 92784814016, 92784814017, 92784814018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/25/25 23:47	
Arsenic	mg/L	ND	0.0050	0.0012	03/25/25 23:47	
Barium	mg/L	ND	0.0050	0.0012	03/25/25 23:47	
Beryllium	mg/L	ND	0.00050	0.00015	03/25/25 23:47	
Boron	mg/L	ND	0.040	0.0062	03/25/25 23:47	
Cadmium	mg/L	ND	0.00050	0.00012	03/25/25 23:47	
Calcium	mg/L	ND	1.0	0.10	03/25/25 23:47	
Chromium	mg/L	ND	0.0050	0.0012	03/25/25 23:47	
Cobalt	mg/L	ND	0.0050	0.0012	03/25/25 23:47	
Lead	mg/L	ND	0.0010	0.00025	03/25/25 23:47	
Molybdenum	mg/L	ND	0.010	0.0025	03/25/25 23:47	
Selenium	mg/L	ND	0.0050	0.0012	03/25/25 23:47	
Thallium	mg/L	ND	0.0010	0.00015	03/25/25 23:47	

LABORATORY CONTROL SAMPLE: 4749110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.097	97	80-120	
Arsenic	mg/L	0.1	0.085	85	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	0.1	0.10	102	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	103	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.11	111	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Molybdenum	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.082	82	80-120	
Thallium	mg/L	0.1	0.11	108	80-120	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

MATRIX SPIKE SAMPLE: 4749111

Parameter	Units	92784814005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.10	100	75-125	
Arsenic	mg/L	ND	0.1	0.089	89	75-125	
Barium	mg/L	ND	0.1	0.10	101	75-125	
Beryllium	mg/L	ND	0.1	0.097	97	75-125	
Boron	mg/L	ND	0.1	0.11	109	75-125	
Cadmium	mg/L	ND	0.1	0.10	103	75-125	
Calcium	mg/L	ND	1	1.0	103	75-125	
Chromium	mg/L	ND	0.1	0.11	107	75-125	
Cobalt	mg/L	ND	0.1	0.11	115	75-125	
Lead	mg/L	ND	0.1	0.11	108	75-125	
Molybdenum	mg/L	ND	0.1	0.093	93	75-125	
Selenium	mg/L	ND	0.1	0.092	92	75-125	
Thallium	mg/L	ND	0.1	0.11	111	75-125	

MATRIX SPIKE SAMPLE: 4749112

Parameter	Units	92784814008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.10	101	75-125	
Arsenic	mg/L	ND	0.1	0.093	93	75-125	
Barium	mg/L	0.016	0.1	0.12	102	75-125	
Beryllium	mg/L	ND	0.1	0.097	97	75-125	
Boron	mg/L	0.014J	0.1	0.12	102	75-125	
Cadmium	mg/L	ND	0.1	0.10	102	75-125	
Calcium	mg/L	66.8	1	66.3	-51	75-125	M1
Chromium	mg/L	ND	0.1	0.10	103	75-125	
Cobalt	mg/L	ND	0.1	0.11	106	75-125	
Lead	mg/L	ND	0.1	0.10	103	75-125	
Molybdenum	mg/L	ND	0.1	0.098	98	75-125	
Selenium	mg/L	ND	0.1	0.093	93	75-125	
Thallium	mg/L	ND	0.1	0.11	108	75-125	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 924643
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92784814019, 92784814020, 92784814021

METHOD BLANK: 4750034 Matrix: Water
Associated Lab Samples: 92784814019, 92784814020, 92784814021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00050	03/27/25 16:21	
Arsenic	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Barium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Beryllium	mg/L	ND	0.00050	0.00015	03/27/25 16:21	
Boron	mg/L	ND	0.040	0.0062	03/27/25 16:21	
Cadmium	mg/L	ND	0.00050	0.00012	03/27/25 16:21	
Calcium	mg/L	ND	1.0	0.10	03/27/25 16:21	
Chromium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Cobalt	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Lead	mg/L	ND	0.0010	0.00025	03/27/25 16:21	
Molybdenum	mg/L	ND	0.010	0.0025	03/27/25 16:21	
Selenium	mg/L	ND	0.0050	0.0012	03/27/25 16:21	
Thallium	mg/L	ND	0.0010	0.00015	03/27/25 16:21	

LABORATORY CONTROL SAMPLE: 4750035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.094	94	80-120	
Arsenic	mg/L	0.1	0.093	93	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.094	94	80-120	
Boron	mg/L	0.1	0.099	99	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.11	107	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.088	88	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE SAMPLE: 4750036

Parameter	Units	92784814021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.096	96	75-125	
Arsenic	mg/L	ND	0.1	0.097	97	75-125	
Barium	mg/L	0.045	0.1	0.14	98	75-125	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

MATRIX SPIKE SAMPLE: 4750036

Parameter	Units	92784814021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/L	ND	0.1	0.095	95	75-125	
Boron	mg/L	0.34	0.1	0.42	79	75-125	
Cadmium	mg/L	ND	0.1	0.096	96	75-125	
Calcium	mg/L	97.8	1	98.3	54	75-125	M1
Chromium	mg/L	ND	0.1	0.094	94	75-125	
Cobalt	mg/L	ND	0.1	0.097	97	75-125	
Lead	mg/L	ND	0.1	0.098	98	75-125	
Molybdenum	mg/L	ND	0.1	0.10	100	75-125	
Selenium	mg/L	ND	0.1	0.095	95	75-125	
Thallium	mg/L	ND	0.1	0.098	98	75-125	

MATRIX SPIKE SAMPLE: 4750037

Parameter	Units	92785749003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.1	0.097	97	75-125	
Arsenic	mg/L	ND	0.1	0.095	95	75-125	
Barium	mg/L	129 ug/L	0.1	0.23	97	75-125	
Beryllium	mg/L	ND	0.1	0.098	98	75-125	
Boron	mg/L	111 ug/L	0.1	0.22	106	75-125	
Cadmium	mg/L	ND	0.1	0.096	96	75-125	
Calcium	mg/L	19000 ug/L	1	19.9	100	75-125	
Chromium	mg/L	ND	0.1	0.097	96	75-125	
Cobalt	mg/L	2.9J ug/L	0.1	0.11	102	75-125	
Lead	mg/L	ND	0.1	0.10	100	75-125	
Molybdenum	mg/L	ND	0.1	0.099	99	75-125	
Selenium	mg/L	ND	0.1	0.10	103	75-125	
Thallium	mg/L	ND	0.1	0.096	96	75-125	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 924269
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

METHOD BLANK: 4748621 Matrix: Water
Associated Lab Samples: 92784814001, 92784814002, 92784814003, 92784814004, 92784814005, 92784814006, 92784814007, 92784814008, 92784814009, 92784814010, 92784814011, 92784814012, 92784814013, 92784814014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	03/27/25 18:19	

LABORATORY CONTROL SAMPLE: 4748622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0023	116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4748623 4748624

Parameter	Units	92784814001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0023	0.0023	111	111	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4748625 4748626

Parameter	Units	92784814007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0023	0.0022	113	110	80-120	2	20	

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QUALITY CONTROL DATA

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

QC Batch: 924270
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

METHOD BLANK: 4748627 Matrix: Water
Associated Lab Samples: 92784814015, 92784814016, 92784814017, 92784814018, 92784814019, 92784814020, 92784814021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	03/27/25 19:30	

LABORATORY CONTROL SAMPLE: 4748628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4748629 4748630

Parameter	Units	92784814015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0022	0.0023	110	112	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4748631 4748632

Parameter	Units	92785749004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0024	0.0020	118	101	80-120	15	20	

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QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92784814001	**MIT-PZ-1D**	3015	2471418	EPA 6020B	2471418
92784814002	**MIT-PZ-31**	3015	2471418	EPA 6020B	2471418
92784814003	**MIT-PZ-16**	3015	2471418	EPA 6020B	2471418
92784814004	**MIT-PZ-14**	3015	2471418	EPA 6020B	2471418
92784814005	**MIT-APA12-FB-01**	3015	2471418	EPA 6020B	2471418
92784814006	**MIT-PZ-2D**	3015	2471418	EPA 6020B	2471418
92784814007	**MIT-APA12-EB-01**	3015	2471418	EPA 6020B	2471418
92784814008	**MIT-PZ-32**	3015	2471418	EPA 6020B	2471418
92784814009	**MIT-PZ-25**	3015	2471418	EPA 6020B	2471418
92784814010	**MIT-APA12-FD-02**	3015	2471418	EPA 6020B	2471418
92784814011	**MIT-PZ-19**	3015	2471418	EPA 6020B	2471418
92784814012	**MIT-APA12-FB-02**	3015	2471418	EPA 6020B	2471418
92784814013	**MIT-PZ-18**	3015	2471418	EPA 6020B	2471418
92784814014	**MIT-PZ-17**	3015	2471418	EPA 6020B	2471418
92784814015	**MIT-APA12-EB-02**	3015	2471418	EPA 6020B	2471418
92784814016	**MIT-PZ-57**	3015	2471418	EPA 6020B	2471418
92784814017	**MIT-PZ-15**	3015	2471420	EPA 6020B	2471420
92784814018	**MIT-PZ-23A**	3015	2471420	EPA 6020B	2471420
92784814019	**MIT-PZ-7D**	3015	2471420	EPA 6020B	2471420
92784814020	**MIT-APA12-FD-01**	3015	2471420	EPA 6020B	2471420
92784814021	**MIT-PZ-33**	3015	2471420	EPA 6020B	2471420
92784814001	**MIT-PZ-1D**	SM 2540C-2015	922846		
92784814002	**MIT-PZ-31**	SM 2540C-2015	922846		
92784814003	**MIT-PZ-16**	SM 2540C-2015	922856		
92784814004	**MIT-PZ-14**	SM 2540C-2015	922856		
92784814005	**MIT-APA12-FB-01**	SM 2540C-2015	922846		
92784814006	**MIT-PZ-2D**	SM 2540C-2015	922846		
92784814007	**MIT-APA12-EB-01**	SM 2540C-2015	922856		
92784814008	**MIT-PZ-32**	SM 2540C-2015	922856		
92784814009	**MIT-PZ-25**	SM 2540C-2015	922856		
92784814010	**MIT-APA12-FD-02**	SM 2540C-2015	922856		
92784814011	**MIT-PZ-19**	SM 2540C-2015	922856		
92784814012	**MIT-APA12-FB-02**	SM 2540C-2015	922856		
92784814013	**MIT-PZ-18**	SM 2540C-2015	922856		
92784814014	**MIT-PZ-17**	SM 2540C-2015	922856		
92784814015	**MIT-APA12-EB-02**	SM 2540C-2015	923391		
92784814016	**MIT-PZ-57**	SM 2540C-2015	923391		
92784814017	**MIT-PZ-15**	SM 2540C-2015	923391		
92784814018	**MIT-PZ-23A**	SM 2540C-2015	923391		
92784814019	**MIT-PZ-7D**	SM 2540C-2015	923391		
92784814020	**MIT-APA12-FD-01**	SM 2540C-2015	923391		
92784814021	**MIT-PZ-33**	SM 2540C-2015	923391		
92784814001	**MIT-PZ-1D**	EPA 300.0 Rev 2.1 1993	922172		
92784814002	**MIT-PZ-31**	EPA 300.0 Rev 2.1 1993	922172		
92784814003	**MIT-PZ-16**	EPA 300.0 Rev 2.1 1993	922172		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92784814004	**MIT-PZ-14**	EPA 300.0 Rev 2.1 1993	922172		
92784814005	**MIT-APA12-FB-01**	EPA 300.0 Rev 2.1 1993	922172		
92784814006	**MIT-PZ-2D**	EPA 300.0 Rev 2.1 1993	922172		
92784814007	**MIT-APA12-EB-01**	EPA 300.0 Rev 2.1 1993	922172		
92784814008	**MIT-PZ-32**	EPA 300.0 Rev 2.1 1993	922172		
92784814009	**MIT-PZ-25**	EPA 300.0 Rev 2.1 1993	922172		
92784814010	**MIT-APA12-FD-02**	EPA 300.0 Rev 2.1 1993	922172		
92784814011	**MIT-PZ-19**	EPA 300.0 Rev 2.1 1993	922172		
92784814012	**MIT-APA12-FB-02**	EPA 300.0 Rev 2.1 1993	922172		
92784814013	**MIT-PZ-18**	EPA 300.0 Rev 2.1 1993	922172		
92784814014	**MIT-PZ-17**	EPA 300.0 Rev 2.1 1993	922172		
92784814015	**MIT-APA12-EB-02**	EPA 300.0 Rev 2.1 1993	922580		
92784814016	**MIT-PZ-57**	EPA 300.0 Rev 2.1 1993	922580		
92784814017	**MIT-PZ-15**	EPA 300.0 Rev 2.1 1993	922580		
92784814018	**MIT-PZ-23A**	EPA 300.0 Rev 2.1 1993	922580		
92784814019	**MIT-PZ-7D**	EPA 300.0 Rev 2.1 1993	922580		
92784814020	**MIT-APA12-FD-01**	EPA 300.0 Rev 2.1 1993	922581		
92784814021	**MIT-PZ-33**	EPA 300.0 Rev 2.1 1993	922581		
92784814001	**MIT-PZ-1D**	EPA 3005A	924409	EPA 6020B	924786
92784814002	**MIT-PZ-31**	EPA 3005A	924409	EPA 6020B	924786
92784814003	**MIT-PZ-16**	EPA 3005A	924409	EPA 6020B	924786
92784814004	**MIT-PZ-14**	EPA 3005A	924409	EPA 6020B	924786
92784814005	**MIT-APA12-FB-01**	EPA 3005A	924409	EPA 6020B	924786
92784814006	**MIT-PZ-2D**	EPA 3005A	924409	EPA 6020B	924786
92784814007	**MIT-APA12-EB-01**	EPA 3005A	924409	EPA 6020B	924786
92784814008	**MIT-PZ-32**	EPA 3005A	924409	EPA 6020B	924786
92784814009	**MIT-PZ-25**	EPA 3005A	924409	EPA 6020B	924786
92784814010	**MIT-APA12-FD-02**	EPA 3005A	924409	EPA 6020B	924786
92784814011	**MIT-PZ-19**	EPA 3005A	924409	EPA 6020B	924786
92784814012	**MIT-APA12-FB-02**	EPA 3005A	924409	EPA 6020B	924786
92784814013	**MIT-PZ-18**	EPA 3005A	924409	EPA 6020B	924786
92784814014	**MIT-PZ-17**	EPA 3005A	924409	EPA 6020B	924786
92784814015	**MIT-APA12-EB-02**	EPA 3005A	924409	EPA 6020B	924786
92784814016	**MIT-PZ-57**	EPA 3005A	924409	EPA 6020B	924786
92784814017	**MIT-PZ-15**	EPA 3005A	924409	EPA 6020B	924786
92784814018	**MIT-PZ-23A**	EPA 3005A	924409	EPA 6020B	924786
92784814019	**MIT-PZ-7D**	EPA 3005A	924643	EPA 6020B	925227
92784814020	**MIT-APA12-FD-01**	EPA 3005A	924643	EPA 6020B	925227
92784814021	**MIT-PZ-33**	EPA 3005A	924643	EPA 6020B	925227
92784814001	**MIT-PZ-1D**	EPA 7470A	924269	EPA 7470A	925514
92784814002	**MIT-PZ-31**	EPA 7470A	924269	EPA 7470A	925514
92784814003	**MIT-PZ-16**	EPA 7470A	924269	EPA 7470A	925514
92784814004	**MIT-PZ-14**	EPA 7470A	924269	EPA 7470A	925514
92784814005	**MIT-APA12-FB-01**	EPA 7470A	924269	EPA 7470A	925514
92784814006	**MIT-PZ-2D**	EPA 7470A	924269	EPA 7470A	925514
92784814007	**MIT-APA12-EB-01**	EPA 7470A	924269	EPA 7470A	925514

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2
Pace Project No.: 92784814

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92784814008	**MIT-PZ-32**	EPA 7470A	924269	EPA 7470A	925514
92784814009	**MIT-PZ-25**	EPA 7470A	924269	EPA 7470A	925514
92784814010	**MIT-APA12-FD-02**	EPA 7470A	924269	EPA 7470A	925514
92784814011	**MIT-PZ-19**	EPA 7470A	924269	EPA 7470A	925514
92784814012	**MIT-APA12-FB-02**	EPA 7470A	924269	EPA 7470A	925514
92784814013	**MIT-PZ-18**	EPA 7470A	924269	EPA 7470A	925514
92784814014	**MIT-PZ-17**	EPA 7470A	924269	EPA 7470A	925514
92784814015	**MIT-APA12-EB-02**	EPA 7470A	924270	EPA 7470A	925515
92784814016	**MIT-PZ-57**	EPA 7470A	924270	EPA 7470A	925515
92784814017	**MIT-PZ-15**	EPA 7470A	924270	EPA 7470A	925515
92784814018	**MIT-PZ-23A**	EPA 7470A	924270	EPA 7470A	925515
92784814019	**MIT-PZ-7D**	EPA 7470A	924270	EPA 7470A	925515
92784814020	**MIT-APA12-FD-01**	EPA 7470A	924270	EPA 7470A	925515
92784814021	**MIT-PZ-33**	EPA 7470A	924270	EPA 7470A	925515

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	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
Pace Analytical Services	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92784814

92784814

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

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

Date/Initials Person Examining Contents: 3/13/25 LFW

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 4.9

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

772612326474

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

WO# : 92784814

PM: BV Due Date: 03/27/25

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1P	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

3

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: | of

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn
	Sampling Code: MIT-CCR-ASSMT-2025S1
Purchase Order No.:	
Project Name:	Mitchell AP-A, AP-1, AP-2
Project Number:	US-EI-6122160170

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-1D	WG	G			3/11/25	1430		6	2		4						X	X	X	X			001
2	MIT-PZ-3I	WG	G			3/11/25	1555		6	2		4						X	X	X	X			002
3	MIT-PZ-16	WG	G			3/12/25	1040		6	2		4						X	X	X	X			003
4	MIT-PZ-14	WG	G			3/12/25	1233		6	2		4						X	X	X	X			004
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

92784814

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1230	Charles Hardin	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

WO#: 92784814

PM: BV Due Date: 03/27/25

CLIENT: 92-GP-MIT

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/13/25 CAC

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☑ None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 4.2

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

772613540881

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92784814

PM: BV Due Date: 03/27/25

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
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11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn
	Sampling Code: MIT-CCR-ASSMT-2025S1
Purchase Order No.:	
Project Name:	Mitchell AP-A, AP-1, AP-2
Project Number:	US-EI-6122160170

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-APA12-EB-01	WQ	G			3/11/25	1355		6	2		4						X	X	X	X		005
2	MIT-PZ-2D	WG	G			3/11/25	1514		6	2		4						X	X	X	X		006
3	MIT-APA12-EB-01	WQ	G			3/12/25	0855		6	2		4						X	X	X	X		007
4	MIT-PZ-32	WG	G			3/12/25	1036		6	2		4						X	X	X	X		008
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1730	Chris Hunt	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 3/12/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92784814

PM: BV Due Date: 03/27/25

CLIENT: 92-GP-MIT

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

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

Date/Initials Person Examining Contents: 3/13/25 KH

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 2.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

772617384238

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92784814

PM: BV Due Date: 03/27/25
CLIENT: 92-GP-MIT

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIU	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

2

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn
	Sampling Code: MIT-CCR-ASSMT-2025S1
Purchase Order No.:	
Project Name:	Mitchell AP-A, AP-1, AP-2
Project Number:	US-EI-6122160170

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-25	WG	G			3/12/25	1230		6	2		4						X	X	X	X			009
2	MIT-APA12-FD-02	WG	G			3/12/25	—		6	2		4						X	X	X	X			010
3	MIT-PZ-19	WG	G			3/12/25	1445		6	2		4						X	X	X	X			011
4	MIT-APA12-FB-02	WQ	G			3/12/25	1530		6	2		4						X	X	X	X			012
5																								
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12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard/WSP	3/12/25	1730		3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/13/25 TJH

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.3 **Correction Factor:** Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.4

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

772613578289

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn
	Sampling Code: MIT-CCR-ASSMT-2025S1
Purchase Order No.:	
Project Name:	Mitchell AP-A, AP-1, AP-2
Project Number:	US-EI-6122160170

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-18	WG	G			3/12/25	1430		6	2		4							X	X	X	X		013
2	MIT-PZ-17	WG	G			3/12/25	1540		6	2		4							X	X	X	X		014
3																								
4																								
5																								
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1730	Chuck Hunt	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard

DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/19/25 LDT

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 4.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

772613690831

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Page 1 of 2

Voltray ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BPIN	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9T-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-6122160170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-APA12-EB-02	WQ	G			3/13/25	0930		6	2		4						X	X	X	X		92784814 015
2	MIT-PZ-57	WG	G			3/13/25	1057		6	2		4						X	X	X	X		016
3	MIT-PZ-15	WG	G			3/13/25	1254		6	2		4						X	X	X	X		017
4	MIT-PZ-23A	WG	G			3/13/25	1432		6	2		4						X	X	X	X		018
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/13/25	1630	Charles Hewlett	3/14/25	0912	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Daniel Howard					
SIGNATURE of SAMPLER:	Daniel Howard	DATE Signed (MM/DD/YY): 03/13/25				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/14/25 CM

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.1 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 5.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WW	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

OMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

772613650348

Lot ID of split containers:

ENT NOTIFICATION/RESOLUTION

erson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

ialtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		X		2																							
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-6122166170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22									Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-7D	WG	G			3/13/25	1005		6	2		4						X	X	X	X									019
2	MIT-APA12-FD-01	WG	G			3/13/25	—		6	2		4						X	X	X	X									020
3	MIT-PZ-33	WG	G			3/13/25	1205		6	2		4						X	X	X	X									021
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard/WSP	3/13/25	1630	Charles Peale	3/14/25	0912	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 03/13/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q 020rev.07, 15-Feb-2007

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

April 10, 2025

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

RE: Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 13, 2025 and March 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Laura Midkiff, Southern Company
Rhonda Quinn, WSP
Greg Wrenn, WSP

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

CERTIFICATIONS

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

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

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SAMPLE SUMMARY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92784820001	**MIT-PZ-1D**	Water	03/11/25 14:30	03/13/25 09:23
92784820002	**MIT-PZ-31**	Water	03/11/25 15:55	03/13/25 09:23
92784820003	**MIT-PZ-16**	Water	03/12/25 10:40	03/13/25 09:23
92784820004	**MIT-PZ-14**	Water	03/12/25 12:33	03/13/25 09:23
92784820005	**MIT-APA12-FB-01**	Water	03/11/25 13:55	03/13/25 09:23
92784820006	**MIT-PZ-2D**	Water	03/11/25 15:14	03/13/25 09:23
92784820007	**MIT-APA12-EB-01**	Water	03/12/25 08:55	03/13/25 09:23
92784820008	**MIT-PZ-32**	Water	03/12/25 10:36	03/13/25 09:23
92784820009	**MIT-PZ-25**	Water	03/12/25 12:30	03/13/25 09:23
92784820010	**MIT-APA12-FD-02**	Water	03/12/25 00:00	03/13/25 09:23
92784820011	**MIT-PZ-19**	Water	03/12/25 14:40	03/13/25 09:23
92784820012	**MIT-APA12-FB-02**	Water	03/12/25 15:30	03/13/25 09:23
92784820013	**MIT-PZ-18**	Water	03/12/25 14:30	03/13/25 09:23
92784820014	**MIT-PZ-17**	Water	03/12/25 15:40	03/13/25 09:23
92784820015	**MIT-APA12-EB-02**	Water	03/13/25 09:30	03/14/25 09:12
92784820016	**MIT-PZ-57**	Water	03/13/25 10:57	03/14/25 09:12
92784820017	**MIT-PZ-15**	Water	03/13/25 12:54	03/14/25 09:12
92784820018	**MIT-PZ-23A**	Water	03/13/25 14:32	03/14/25 09:12
92784820019	**MIT-PZ-7D**	Water	03/13/25 10:05	03/14/25 09:12
92784820020	**MIT-APA12-FD-01**	Water	03/13/25 00:00	03/14/25 09:12
92784820021	**MIT-PZ-33**	Water	03/13/25 12:05	03/14/25 09:12

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92784820001	**MIT-PZ-1D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820002	**MIT-PZ-31**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820003	**MIT-PZ-16**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820004	**MIT-PZ-14**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820005	**MIT-APA12-FB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820006	**MIT-PZ-2D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820007	**MIT-APA12-EB-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820008	**MIT-PZ-32**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820009	**MIT-PZ-25**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820010	**MIT-APA12-FD-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820011	**MIT-PZ-19**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820012	**MIT-APA12-FB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820013	**MIT-PZ-18**	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820014	**MIT-PZ-17**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820015	**MIT-APA12-EB-02**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820016	**MIT-PZ-57**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820017	**MIT-PZ-15**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820018	**MIT-PZ-23A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820019	**MIT-PZ-7D**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820020	**MIT-APA12-FD-01**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92784820021	**MIT-PZ-33**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820001	**MIT-PZ-1D**					
EPA 9315	Radium-226	0.0176U ± 0.0965 (0.245) C:92% T:NA	pCi/L		04/02/25 14:27	
EPA 9320	Radium-228	0.399U ± 0.328 (0.650) C:80% T:91%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.417U ± 0.425 (0.895)	pCi/L		04/03/25 16:06	
92784820002	**MIT-PZ-31**					
EPA 9315	Radium-226	0.0708U ± 0.120 (0.269) C:83% T:NA	pCi/L		04/03/25 09:34	
EPA 9320	Radium-228	0.560U ± 0.362 (0.677) C:75% T:93%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.631U ± 0.482 (0.946)	pCi/L		04/03/25 16:06	
92784820003	**MIT-PZ-16**					
EPA 9315	Radium-226	0.0701U ± 0.103 (0.223) C:84% T:NA	pCi/L		04/03/25 09:22	
EPA 9320	Radium-228	0.660U ± 0.426 (0.800) C:75% T:83%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.730U ± 0.529 (1.02)	pCi/L		04/03/25 16:06	
92784820004	**MIT-PZ-14**					
EPA 9315	Radium-226	0.0385U ± 0.129 (0.313) C:81% T:NA	pCi/L		04/03/25 09:35	
EPA 9320	Radium-228	0.884U ± 0.561 (1.08) C:74% T:88%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.923U ± 0.690 (1.39)	pCi/L		04/03/25 16:06	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820005	**MIT-APA12-FB-01**					
EPA 9315	Radium-226	0.0370U ± 0.142 (0.348) C:76% T:NA	pCi/L		04/03/25 09:35	
EPA 9320	Radium-228	0.125U ± 0.497 (1.11) C:77% T:84%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.162U ± 0.639 (1.46)	pCi/L		04/03/25 16:06	
92784820006	**MIT-PZ-2D**					
EPA 9315	Radium-226	0.146U ± 0.140 (0.279) C:86% T:NA	pCi/L		04/03/25 10:37	
EPA 9320	Radium-228	0.631U ± 0.436 (0.841) C:73% T:92%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.777U ± 0.576 (1.12)	pCi/L		04/03/25 16:06	
92784820007	**MIT-APA12-EB-01**					
EPA 9315	Radium-226	0.0763U ± 0.117 (0.259) C:82% T:NA	pCi/L		04/03/25 09:36	
EPA 9320	Radium-228	0.411U ± 0.345 (0.682) C:77% T:88%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.487U ± 0.462 (0.941)	pCi/L		04/03/25 16:06	
92784820008	**MIT-PZ-32**					
EPA 9315	Radium-226	0.0689U ± 0.148 (0.344) C:77% T:NA	pCi/L		04/03/25 09:36	
EPA 9320	Radium-228	0.212U ± 0.424 (0.937) C:54% T:93%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.281U ± 0.572 (1.28)	pCi/L		04/03/25 16:06	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820009	**MIT-PZ-25**					
EPA 9315	Radium-226	0.259U ± 0.179 (0.333) C:87% T:NA	pCi/L		04/03/25 09:36	
EPA 9320	Radium-228	0.120U ± 0.334 (0.752) C:75% T:88%	pCi/L		04/01/25 15:11	
Total Radium Calculation	Total Radium	0.379U ± 0.513 (1.09)	pCi/L		04/03/25 16:06	
92784820010	**MIT-APA12-FD-02**					
EPA 9315	Radium-226	0.230U ± 0.161 (0.287) C:87% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.627U ± 0.385 (0.713) C:77% T:91%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.857U ± 0.546 (1.000)	pCi/L		04/03/25 16:06	
92784820011	**MIT-PZ-19**					
EPA 9315	Radium-226	0.149U ± 0.152 (0.311) C:87% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.277U ± 0.377 (0.806) C:77% T:83%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.426U ± 0.529 (1.12)	pCi/L		04/03/25 16:06	
92784820012	**MIT-APA12-FB-02**					
EPA 9315	Radium-226	0.169U ± 0.145 (0.281) C:85% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.460U ± 0.376 (0.744) C:71% T:94%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.629U ± 0.521 (1.03)	pCi/L		04/03/25 16:06	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820013	**MIT-PZ-18**					
EPA 9315	Radium-226	-0.0672U ± 0.134 (0.377) C:80% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.325U ± 0.515 (1.12) C:73% T:85%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.325U ± 0.649 (1.50)	pCi/L		04/03/25 16:06	
92784820014	**MIT-PZ-17**					
EPA 9315	Radium-226	0.0719U ± 0.134 (0.306) C:81% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.662U ± 0.490 (0.973) C:78% T:88%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.734U ± 0.624 (1.28)	pCi/L		04/03/25 16:06	
92784820015	**MIT-APA12-EB-02**					
EPA 9315	Radium-226	-0.0716U ± 0.125 (0.356) C:86% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.559U ± 0.441 (0.881) C:82% T:89%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.559U ± 0.566 (1.24)	pCi/L		04/03/25 16:06	
92784820016	**MIT-PZ-57**					
EPA 9315	Radium-226	0.0946U ± 0.129 (0.277) C:80% T:NA	pCi/L		04/03/25 08:12	
EPA 9320	Radium-228	0.417U ± 0.487 (1.03) C:75% T:93%	pCi/L		04/01/25 15:12	
Total Radium Calculation	Total Radium	0.512U ± 0.616 (1.31)	pCi/L		04/03/25 16:06	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820017	**MIT-PZ-15**					
EPA 9315	Radium-226	0.349U ± 0.207 (0.358) C:79% T:NA	pCi/L		04/03/25 08:13	
EPA 9320	Radium-228	0.483U ± 0.427 (0.862) C:80% T:82%	pCi/L		04/01/25 15:10	
Total Radium Calculation	Total Radium	0.832U ± 0.634 (1.22)	pCi/L		04/03/25 16:06	
92784820018	**MIT-PZ-23A**					
EPA 9315	Radium-226	0.162U ± 0.163 (0.336) C:89% T:NA	pCi/L		04/03/25 08:13	
EPA 9320	Radium-228	-0.0380U ± 0.343 (0.820) C:74% T:88%	pCi/L		04/01/25 15:10	
Total Radium Calculation	Total Radium	0.162U ± 0.506 (1.16)	pCi/L		04/03/25 16:06	
92784820019	**MIT-PZ-7D**					
EPA 9315	Radium-226	0.0994U ± 0.123 (0.260) C:84% T:NA	pCi/L		04/03/25 09:10	
EPA 9320	Radium-228	0.154U ± 0.409 (0.915) C:74% T:88%	pCi/L		04/01/25 15:10	
Total Radium Calculation	Total Radium	0.253U ± 0.532 (1.18)	pCi/L		04/03/25 16:06	
92784820020	**MIT-APA12-FD-01**					
EPA 9315	Radium-226	0.0751U ± 0.112 (0.243) C:88% T:NA	pCi/L		04/03/25 09:10	
EPA 9320	Radium-228	0.613U ± 0.404 (0.778) C:78% T:97%	pCi/L		04/01/25 15:10	
Total Radium Calculation	Total Radium	0.688U ± 0.516 (1.02)	pCi/L		04/03/25 16:06	

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SUMMARY OF DETECTION

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92784820021	**MIT-PZ-33**					
EPA 9315	Radium-226	0.0787U ± 0.102 (0.217) C:96% T:NA	pCi/L		04/09/25 08:12	
EPA 9320	Radium-228	0.440U ± 0.342 (0.671) C:77% T:87%	pCi/L		03/31/25 12:09	
Total Radium Calculation	Total Radium	0.519U ± 0.444 (0.888)	pCi/L		04/09/25 16:16	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-1D **Lab ID: 92784820001** Collected: 03/11/25 14:30 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0176U ± 0.0965 (0.245) C:92% T:NA**	pCi/L	04/02/25 14:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.399U ± 0.328 (0.650) C:80% T:91%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.417U ± 0.425 (0.895)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-31 **Lab ID: 92784820002** Collected: 03/11/25 15:55 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0708U ± 0.120 (0.269) C:83% T:NA**	pCi/L	04/03/25 09:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.560U ± 0.362 (0.677) C:75% T:93%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.631U ± 0.482 (0.946)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-16 **Lab ID: 92784820003** Collected: 03/12/25 10:40 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0701U ± 0.103 (0.223) C:84% T:NA**	pCi/L	04/03/25 09:22	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.660U ± 0.426 (0.800) C:75% T:83%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.730U ± 0.529 (1.02)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-14 **Lab ID: 92784820004** Collected: 03/12/25 12:33 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0385U ± 0.129 (0.313) C:81% T:NA**	pCi/L	04/03/25 09:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.884U ± 0.561 (1.08) C:74% T:88%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.923U ± 0.690 (1.39)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-FB-01 **Lab ID: 92784820005** Collected: 03/11/25 13:55 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0370U ± 0.142 (0.348) C:76% T:NA**	pCi/L	04/03/25 09:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.125U ± 0.497 (1.11) C:77% T:84%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.162U ± 0.639 (1.46)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-2D **Lab ID: 92784820006** Collected: 03/11/25 15:14 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.146U ± 0.140 (0.279) C:86% T:NA**	pCi/L	04/03/25 10:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.631U ± 0.436 (0.841) C:73% T:92%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.777U ± 0.576 (1.12)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-EB-01 **Lab ID: 92784820007** Collected: 03/12/25 08:55 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0763U ± 0.117 (0.259) C:82% T:NA**	pCi/L	04/03/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.411U ± 0.345 (0.682) C:77% T:88%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.487U ± 0.462 (0.941)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-32 **Lab ID: 92784820008** Collected: 03/12/25 10:36 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0689U ± 0.148 (0.344) C:77% T:NA**	pCi/L	04/03/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.212U ± 0.424 (0.937) C:54% T:93%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.281U ± 0.572 (1.28)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-25 **Lab ID: 92784820009** Collected: 03/12/25 12:30 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.259U ± 0.179 (0.333) C:87% T:NA**	pCi/L	04/03/25 09:36	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.120U ± 0.334 (0.752) C:75% T:88%**	pCi/L	04/01/25 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.379U ± 0.513 (1.09)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-FD-02 **Lab ID: 92784820010** Collected: 03/12/25 00:00 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.230U ± 0.161 (0.287) C:87% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.627U ± 0.385 (0.713) C:77% T:91%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.857U ± 0.546 (1.000)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-19 **Lab ID: 92784820011** Collected: 03/12/25 14:40 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.149U ± 0.152 (0.311) C:87% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.277U ± 0.377 (0.806) C:77% T:83%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.426U ± 0.529 (1.12)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-FB-02 **Lab ID: 92784820012** Collected: 03/12/25 15:30 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.169U ± 0.145 (0.281) C:85% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.460U ± 0.376 (0.744) C:71% T:94%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.629U ± 0.521 (1.03)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-18 **Lab ID: 92784820013** Collected: 03/12/25 14:30 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0672U ± 0.134 (0.377) C:80% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.325U ± 0.515 (1.12) C:73% T:85%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.325U ± 0.649 (1.50)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-17 **Lab ID: 92784820014** Collected: 03/12/25 15:40 Received: 03/13/25 09:23 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0719U ± 0.134 (0.306) C:81% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.662U ± 0.490 (0.973) C:78% T:88%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.734U ± 0.624 (1.28)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-EB-02 **Lab ID: 92784820015** Collected: 03/13/25 09:30 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.0716U ± 0.125 (0.356) C:86% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.559U ± 0.441 (0.881) C:82% T:89%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.559U ± 0.566 (1.24)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-57 **Lab ID: 92784820016** Collected: 03/13/25 10:57 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0946U ± 0.129 (0.277) C:80% T:NA**	pCi/L	04/03/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.417U ± 0.487 (1.03) C:75% T:93%**	pCi/L	04/01/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.512U ± 0.616 (1.31)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-15 **Lab ID: 92784820017** Collected: 03/13/25 12:54 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.349U ± 0.207 (0.358) C:79% T:NA**	pCi/L	04/03/25 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.483U ± 0.427 (0.862) C:80% T:82%**	pCi/L	04/01/25 15:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.832U ± 0.634 (1.22)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-23A **Lab ID: 92784820018** Collected: 03/13/25 14:32 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.162U ± 0.163 (0.336) C:89% T:NA**	pCi/L	04/03/25 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**-0.0380U ± 0.343 (0.820) C:74% T:88%**	pCi/L	04/01/25 15:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.162U ± 0.506 (1.16)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-7D **Lab ID: 92784820019** Collected: 03/13/25 10:05 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0994U ± 0.123 (0.260) C:84% T:NA**	pCi/L	04/03/25 09:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.154U ± 0.409 (0.915) C:74% T:88%**	pCi/L	04/01/25 15:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.253U ± 0.532 (1.18)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-APA12-FD-01 **Lab ID: 92784820020** Collected: 03/13/25 00:00 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0751U ± 0.112 (0.243) C:88% T:NA**	pCi/L	04/03/25 09:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.613U ± 0.404 (0.778) C:78% T:97%**	pCi/L	04/01/25 15:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.688U ± 0.516 (1.02)**	pCi/L	04/03/25 16:06	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Sample: MIT-PZ-33 **Lab ID: 92784820021** Collected: 03/13/25 12:05 Received: 03/14/25 09:12 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0787U ± 0.102 (0.217) C:96% T:NA**	pCi/L	04/09/25 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.440U ± 0.342 (0.671) C:77% T:87%**	pCi/L	03/31/25 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.519U ± 0.444 (0.888)**	pCi/L	04/09/25 16:16	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

QC Batch: 734192
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92784820021

METHOD BLANK: 3573800 Matrix: Water
Associated Lab Samples: 92784820021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0303 ± 0.0951 (0.264) C:95% T:NA	pCi/L	04/09/25 08:15	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

QC Batch: 734188
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92784820001, 92784820002, 92784820003, 92784820004, 92784820005, 92784820006, 92784820007, 92784820008, 92784820009, 92784820010, 92784820011, 92784820012, 92784820013, 92784820014, 92784820015, 92784820016, 92784820017, 92784820018, 92784820019, 92784820020

METHOD BLANK: 3573798
Matrix: Water
Associated Lab Samples: 92784820001, 92784820002, 92784820003, 92784820004, 92784820005, 92784820006, 92784820007, 92784820008, 92784820009, 92784820010, 92784820011, 92784820012, 92784820013, 92784820014, 92784820015, 92784820016, 92784820017, 92784820018, 92784820019, 92784820020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.199 ± 0.281 (0.601) C:84% T:95%	pCi/L	04/01/25 15:11	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

QC Batch: 734186
QC Batch Method: EPA 9315
Analysis Method: EPA 9315
Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92784820001, 92784820002, 92784820003, 92784820004, 92784820005, 92784820006, 92784820007, 92784820008, 92784820009, 92784820010, 92784820011, 92784820012, 92784820013, 92784820014, 92784820015, 92784820016, 92784820017, 92784820018, 92784820019, 92784820020

METHOD BLANK: 3573795
Matrix: Water
Associated Lab Samples: 92784820001, 92784820002, 92784820003, 92784820004, 92784820005, 92784820006, 92784820007, 92784820008, 92784820009, 92784820010, 92784820011, 92784820012, 92784820013, 92784820014, 92784820015, 92784820016, 92784820017, 92784820018, 92784820019, 92784820020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0371 ± 0.0805 (0.245) C:92% T:NA	pCi/L	04/02/25 12:54	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

QC Batch: 734191
QC Batch Method: EPA 9320
Analysis Method: EPA 9320
Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92784820021

METHOD BLANK: 3573799 Matrix: Water
Associated Lab Samples: 92784820021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0156 ± 0.336 (0.778) C:73% T:90%	pCi/L	03/31/25 12:08	

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QUALIFIERS

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92784820001	**MIT-PZ-1D**	EPA 9315	734186		
92784820002	**MIT-PZ-31**	EPA 9315	734186		
92784820003	**MIT-PZ-16**	EPA 9315	734186		
92784820004	**MIT-PZ-14**	EPA 9315	734186		
92784820005	**MIT-APA12-FB-01**	EPA 9315	734186		
92784820006	**MIT-PZ-2D**	EPA 9315	734186		
92784820007	**MIT-APA12-EB-01**	EPA 9315	734186		
92784820008	**MIT-PZ-32**	EPA 9315	734186		
92784820009	**MIT-PZ-25**	EPA 9315	734186		
92784820010	**MIT-APA12-FD-02**	EPA 9315	734186		
92784820011	**MIT-PZ-19**	EPA 9315	734186		
92784820012	**MIT-APA12-FB-02**	EPA 9315	734186		
92784820013	**MIT-PZ-18**	EPA 9315	734186		
92784820014	**MIT-PZ-17**	EPA 9315	734186		
92784820015	**MIT-APA12-EB-02**	EPA 9315	734186		
92784820016	**MIT-PZ-57**	EPA 9315	734186		
92784820017	**MIT-PZ-15**	EPA 9315	734186		
92784820018	**MIT-PZ-23A**	EPA 9315	734186		
92784820019	**MIT-PZ-7D**	EPA 9315	734186		
92784820020	**MIT-APA12-FD-01**	EPA 9315	734186		
92784820021	**MIT-PZ-33**	EPA 9315	734192		
92784820001	**MIT-PZ-1D**	EPA 9320	734188		
92784820002	**MIT-PZ-31**	EPA 9320	734188		
92784820003	**MIT-PZ-16**	EPA 9320	734188		
92784820004	**MIT-PZ-14**	EPA 9320	734188		
92784820005	**MIT-APA12-FB-01**	EPA 9320	734188		
92784820006	**MIT-PZ-2D**	EPA 9320	734188		
92784820007	**MIT-APA12-EB-01**	EPA 9320	734188		
92784820008	**MIT-PZ-32**	EPA 9320	734188		
92784820009	**MIT-PZ-25**	EPA 9320	734188		
92784820010	**MIT-APA12-FD-02**	EPA 9320	734188		
92784820011	**MIT-PZ-19**	EPA 9320	734188		
92784820012	**MIT-APA12-FB-02**	EPA 9320	734188		
92784820013	**MIT-PZ-18**	EPA 9320	734188		
92784820014	**MIT-PZ-17**	EPA 9320	734188		
92784820015	**MIT-APA12-EB-02**	EPA 9320	734188		
92784820016	**MIT-PZ-57**	EPA 9320	734188		
92784820017	**MIT-PZ-15**	EPA 9320	734188		
92784820018	**MIT-PZ-23A**	EPA 9320	734188		
92784820019	**MIT-PZ-7D**	EPA 9320	734188		
92784820020	**MIT-APA12-FD-01**	EPA 9320	734188		
92784820021	**MIT-PZ-33**	EPA 9320	734191		
92784820001	**MIT-PZ-1D**	Total Radium Calculation	737302		
92784820002	**MIT-PZ-31**	Total Radium Calculation	737302		
92784820003	**MIT-PZ-16**	Total Radium Calculation	737302		
92784820004	**MIT-PZ-14**	Total Radium Calculation	737302		
92784820005	**MIT-APA12-FB-01**	Total Radium Calculation	737302		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mitchell AP-A, AP-1, AP-2-RADs
Pace Project No.: 92784820

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92784820006	**MIT-PZ-2D**	Total Radium Calculation	737302		
92784820007	**MIT-APA12-EB-01**	Total Radium Calculation	737302		
92784820008	**MIT-PZ-32**	Total Radium Calculation	737302		
92784820009	**MIT-PZ-25**	Total Radium Calculation	737302		
92784820010	**MIT-APA12-FD-02**	Total Radium Calculation	737302		
92784820011	**MIT-PZ-19**	Total Radium Calculation	737302		
92784820012	**MIT-APA12-FB-02**	Total Radium Calculation	737302		
92784820013	**MIT-PZ-18**	Total Radium Calculation	737302		
92784820014	**MIT-PZ-17**	Total Radium Calculation	737302		
92784820015	**MIT-APA12-EB-02**	Total Radium Calculation	737302		
92784820016	**MIT-PZ-57**	Total Radium Calculation	737302		
92784820017	**MIT-PZ-15**	Total Radium Calculation	737302		
92784820018	**MIT-PZ-23A**	Total Radium Calculation	737302		
92784820019	**MIT-PZ-7D**	Total Radium Calculation	737302		
92784820020	**MIT-APA12-FD-01**	Total Radium Calculation	737302		
92784820021	**MIT-PZ-33**	Total Radium Calculation	738518		

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without the written consent of Pace Analytical Services, LLC.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO# : 92784820

92784820

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

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

Date/Initials Person Examining Contents: 3/13/25 CTH

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

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

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 4.9

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

7726123264 74

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Pace

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92784820

PM: BV Due Date: 04/03/25

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1P	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: | of |

Section A Required Client Information:

Company:	GA Power
Address:	Atlanta, GA
Email To:	SCS Contacts
Phone:	Fax:
Requested Due Date/TAT:	10 Day

Section B Required Project Information:

Report To:	SCS Contacts
Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn
	Sampling Code: MIT-CCR-ASSMT-2025S1
Purchase Order No.:	
Project Name:	Mitchell AP-A, AP-1, AP-2
Project Number:	US-EI-6122160170

Section C Invoice Information:

Attention:	Southern Co.
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Bonnie Vang
Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/Radium 226/228	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-1D	WG	G			3/11/25	14:30		6	2		4						X	X	X	X		92784820 W1
2	MIT-PZ-3I	WG	G			3/11/25	15:55		6	2		4						X	X	X	X		W2
3	MIT-PZ-1S	WG	G			3/12/25	10:40		6	2		4						X	X	X	X		W3
4	MIT-PZ-1I	WG	G			3/12/25	12:33		6	2		4						X	X	X	X		W4
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1230	Chris Hanks	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard

DATE Signed (MM/DD/YY): 3/12/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

WO# : 92784820
PM: BV Due Date: 04/03/25
CLIENT: 92-GP-MIT

Client Name: GA Power Project #:

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

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

Date/Initials Person Examining Contents: 3/13/25 CAK

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

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

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☐ Wet ☐ Blue ☑ None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 4.2

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY
7726 1354 0881

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92784820

PM: BV Due Date: 04/03/25

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-G122160170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-APA12-FB-01	WQ	G			3/11/25	1355		6	2		4						X	X	X	X			005
2	MIT-PZ-2D	WG	G			3/11/25	1514		6	2		4						X	X	X	X			006
3	MIT-APA12-EB-01	WQ	G			3/12/25	0855		6	2		4						X	X	X	X			007
4	MIT-PZ-32	WG	G			3/12/25	1036		6	2		4						X	X	X	X			008
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1730	[signature]	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard

DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92784820

PM: BV Due Date: 04/03/25

CLIENT: 92-GP-MIT

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

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

Date/Initials Person Examining Contents: 3/13/25 LAH

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 2.4

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

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

772617384238

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92784820

PM: BV Due Date: 04/03/25

CLIENT: 92-GP-MIT

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1U	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

2

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-6122160170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WG	G			3/12/25	1230		6	2		4						X	X	X	X		009
2	WG	G			3/12/25	—		6	2		4						X	X	X	X		010
3	WG	G			3/12/25	1445		6	2		4						X	X	X	X		011
4	WQ	G			3/12/25	1530		6	2		4						X	X	X	X		012
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard/WSP	3/12/25	1730	Chuck Hunter	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard

DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/13/25 TJH

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

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

Thermometer: ☑ IR Gun ID: 033

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.3 **Correction Factor:** Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.4

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

772613578289

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					BPIN																								
1		1	1		2		2																						
2		1	1		2		2																						
3																													
4																													
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11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

4

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-6122160170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-18	WG	G			3/12/25	1430		6	2		4						X	X	X	X		013
2	MIT-PZ-17	WG	G			3/12/25	1540		6	2		4						X	X	X	X		014
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/12/25	1730	Charles Hunt	3/13/25	0923	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard

DATE Signed (MM/DD/YY): 3/12/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

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

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

Date/Initials Person Examining Contents: 3/19/25 tdf

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

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

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 4.9

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

Field Data Required? ☐ Yes ☐ No

COMMENTS/SAMPLE DISCREPANCY

772613690031

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Page 1 of 2

Waltray ID: 69614

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP1N	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGBU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.
Address: Atlanta, GA	Copy To: WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:
	Sampling Code: MIT-CCR-ASSMT-2025S1	Address:
Email To: SCS Contacts	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Mitchell AP-A, AP-1, AP-2	Pace Project Manager: Bonnie Varig
Requested Due Date/TAT: 10 Day	Project Number: US-EI-6122160170	Pace Profile #: 10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/22	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-APA12-EB-02	WQ	G			3/13/25	0930		6	2		4						X	X	X	X			92784820 015
2	MIT-PZ-57	WG	G			3/13/25	1057		6	2		4						X	X	X	X			016
3	MIT-PZ-15	WG	G			3/13/25	1254		6	2		4						X	X	X	X			017
4	MIT-PZ-23A	WG	G			3/13/25	1432		6	2		4						X	X	X	X			018
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard / WSP	3/13/25	1630	Chuck Hurst	3/14/25	0912	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 03/13/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-Feb-2007

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

aboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GAPower

Project #:

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

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

Date/Initials Person Examining Contents: 3/14/25 CM

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

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

Thermometer: ☑ IR Gun ID: 083 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.1 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 5.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	WW			
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

OMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

772613650348

Lot ID of split containers:

ENT NOTIFICATION/RESOLUTION

erson contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

ialtrax ID: 69614

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

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

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC					12pH																								
1		1	1		2	2																							
2		1	1		2	2																							
3		1	1		X	2																							
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GA Power	Report To:	SCS Contacts	Attention:	Southern Co.
Address:	Atlanta, GA	Copy To:	WSP E&I Contacts:Rhonda Quinn/Greg Wrenn	Company Name:	
			Sampling Code: MIT-CCR-ASSMT-2025S1	Address:	
Email To:	SCS Contacts	Purchase Order No.:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	Mitchell AP-A, AP-1, AP-2	Pace Project Manager:	Bonnie Vang
Requested Due Date/TAT:	10 Day	Project Number:	US-EI-6122166170	Pace Profile #:	10834

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☑ OTHER CCR

Site Location STATE: GA

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Cl, F, SO4	TDS	Appendix III/IV Total Metals	Radium 9315/9320/(Radium 226/228	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MIT-PZ-7D	WG	G			3/13/25	1005		6	2		4							X	X	X	X		019
2	MIT-APA12-FD-01	WG	G			3/13/25	—		6	2		4							X	X	X	X		020
3	MIT-PZ-33	WG	G			3/13/25	1205		6	2		4							X	X	X	X		021
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Daniel Howard/WSP	3/13/25	1630	Chandler Hunter	3/14/25	0912	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard

SIGNATURE of SAMPLER: Daniel Howard DATE Signed (MM/DD/YY): 03/13/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q 020rev.07, 15-Feb-2007

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	JJS1
Date:	3/28/2025
Worklist:	84160
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3573798
MB concentration:	0.199
M/B 2 Sigma CSU:	0.281
MB MDC:	0.601
MB Numerical Performance Indicator:	1.39
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84160	**LCSD84160**
Count Date:	4/1/2025	4/1/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.051	33.051
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.816	0.816
Target Conc. (pCi/L, g, F):	4.050	4.050
Uncertainty (Calculated):	0.198	0.198
Result (pCi/L, g, F):	3.045	3.498
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.760	0.837
Numerical Performance Indicator:	-2.51	-1.26
Percent Recovery:	75.20%	86.37%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS84160	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD84160	
Sample Result (pCi/L, g, F):	3.045	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.760	
Sample Duplicate Result (pCi/L, g, F):	3.498	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.837	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-0.784	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	13.83%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

VAL
4/2/25

SLC 4/2/25

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	3/28/2025
Worklist:	84161
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3573799
MB concentration:	0.016
M/B 2 Sigma CSU:	0.336
MB MDC:	0.778
MB Numerical Performance Indicator:	0.09
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84161	**LCSD84161**
Count Date:	4/4/2025	4/4/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	33.018	33.018
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.820	0.816
Target Conc. (pCi/L, g, F):	4.029	4.046
Uncertainty (Calculated):	0.197	0.198
Result (pCi/L, g, F):	4.574	4.512
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.064	1.077
Numerical Performance Indicator:	0.99	0.83
Percent Recovery:	113.53%	111.51%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS84161	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD84161	
Sample Result (pCi/L, g, F):	4.574	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.064	
Sample Duplicate Result (pCi/L, g, F):	4.512	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.077	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	0.080	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	1.79%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

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

Comments:

Quality Control Sample Performance Assessment

Pace Analytical
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Test:	Ra-226
Analyst:	SLC
Date:	3/26/2025
Worklist:	84159
Matrix:	DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3573795
MB concentration:	-0.037
M/B Counting Uncertainty:	0.080
MB MDC:	0.245
MB Numerical Performance Indicator:	-0.91
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84159	LCSD84159
Count Date:	4/3/2025	4/3/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.510	0.509
Target Conc. (pCi/L, g, F):	4.903	4.919
Uncertainty (Calculated):	0.230	0.231
Result (pCi/L, g, F):	4.865	5.289
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.536	0.538
Numerical Performance Indicator:	-0.13	1.24
Percent Recovery:	99.23%	107.53%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment		
Sample I.D.:	LCS84159	92784820020
Duplicate Sample I.D.	LCSD84159	92784820020DUP
Sample Result (pCi/L, g, F):	4.865	0.075
Sample Result Counting Uncertainty (pCi/L, g, F):	0.536	0.111
Sample Duplicate Result (pCi/L, g, F):	5.289	0.018
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.538	0.110
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-1.094	0.709
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.03%	121.13%
Duplicate Status vs Numerical Indicator:	N/A	N/A
Duplicate Status vs RPD:	Pass	Fail***
% RPD Limit:	25%	25%

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

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

Comments:

~~***Batch must be re-prepped due to unacceptable precision.~~ VAM 4/3/25 N/A activities below MDC - OK RMS 4-3-25

Arizona DHES requires qualification for any AZ DW samples reported where the QC does not meet the recommended limits of the Manual for the Certification of Labs Analyzing Drinking Waters, 5th Edition , section 7.7 of Chapter VI.

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	3/26/2025
Worklist:	84162
Matrix:	WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3573800
MB concentration:	-0.030
M/B 2 Sigma CSU:	0.095
MB MDC:	0.264
MB Numerical Performance Indicator:	-0.63
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS84162	LCSD84162
Count Date:	4/9/2025	4/9/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.014	25.014
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.508	0.504
Target Conc. (pCi/L, g, F):	4.927	4.967
Uncertainty (Calculated):	0.232	0.233
Result (pCi/L, g, F):	4.284	3.822
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.776	0.704
Numerical Performance Indicator:	-1.56	-3.03
Percent Recovery:	86.95%	76.95%
Status vs Numerical Indicator:	Pass	Fail**
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

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

Duplicate Sample Assessment	
Sample I.D.:	LCS84162
Duplicate Sample I.D.	LCSD84162
Sample Result (pCi/L, g, F):	4.284
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.776
Sample Duplicate Result (pCi/L, g, F):	3.822
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.704
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	0.864
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	12.21%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	N/A
% RPD Limit:	25%

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

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

Comments:

~~**Batch must be re-prepped due to LCSD failure.**~~ N/A ET 4-9-25 Percent Recovery Passes

SLC 4/9/25

ET 4-9-25

APPENDIX C
DATA QUALITY EVALUATIONS

Data Evaluation Narrative
Project: Plant Mitchell CCR Groundwater Semiannual Event #22
WSP Project Number: US-EI-6122160170.2404.****
Site: Ash Ponds 1&2 - Plant Mitchell, Georgia
Matrix: Groundwater

Pace SDG No: 92748119

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #22 (August 2024) conducted at Ash Ponds AP-A, AP-1, and AP-2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft* Plant Mitchell *Field Sampling Plan* (FSP) (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in United States Environmental Protection Agency (USEPA) Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

Qualifier	Usable Data
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. *SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.*
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. *Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).*
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Qualifier	Unusable Data
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in these SDGs are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in Table 1.

Deliverables

The data packages, as submitted to WSP USA Environment & Infrastructure Inc. (WSP), formerly Wood Environment & Infrastructure Solutions, Inc. (Wood) are complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW6010D, SW7470A, SM2540C, and EPA 300.0.0R2.1.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for Appendix III and Appendix IV metals (antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Methods SW6020B and SW6010D (calcium only), mercury by Method SW7470A, anions (chloride, fluoride, and sulfate) by Method 300.0.0R2.1, and total dissolved solids (TDS) by Method SM2540C. Anions and TDS were analyzed by Pace-Asheville, North Carolina. These data are reported in this SDG: 92748119.

Samples were also sent from Pace's Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320. The radium data were reported in SDG 92748122 and validated separately.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

SDG 92748119:

GPC Sample ID	Sample Date	DQE Level	GPC Sample ID	Sample Date	DQE Level
MIT-PZ-1D	08/13/24	II	MIT-PZ-31	08/13/24	II
MIT-PZ-2D	08/13/24	II	MIT-PZ-32	08/13/24	II
MIT-PZ-7D	08/15/24	II	MIT-PZ-33	08/15/24	II
MIT-PZ-14	08/14/24	II	MIT-PZ-57	08/15/24	II
MIT-PZ-15	08/14/24	II	QC Samples		
MIT-PZ-16	08/14/24	II	MIT-APA12-EB-01	08/14/24	II
MIT-PZ-17	08/15/24	II	MIT-APA12-EB-02	08/15/24	II
MIT-PZ-18	08/14/24	II	MIT-APA12-FB-01	08/13/24	II
MIT-PZ-19	08/14/24	II	MIT-APA12-FB-02	08/14/24	II
MIT-PZ-23A	08/14/24	II	MIT-APA12-FD-01	08/14/24	II
MIT-PZ-25	08/13/24	II	MIT-APA12-FD-02	08/15/24	II

These samples were collected from Ash Ponds AP-A, AP-1 and AP-2 between August 13 and August 15, 2024. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-18, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-57. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQuIS database as instructed by GPC by adding the sample type code (WG [groundwater] or WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20240814]); example: *MIT-PZ-14-WG-20240814*. The laboratory incorrectly transcribed the sample times for MIT-PZ-57 and MIT-PZ-FB-02, however they were corrected in the project database.

The analytical results for metals, mercury, anions, and TDS are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6020B and SW6010D)

The samples were submitted to Pace for CCR Appendix III and Appendix IV metals by Methods SW6010D and SW6020B. The CCR Appendix III metals for this event are boron (B) and calcium (Ca). The Appendix IV metals for this event are antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), lithium (Li), molybdenum (Mo), selenium (Se), and thallium (Tl). Each of the Level II components were within laboratory QC limits except for the method and field blanks, and MS/MSD recoveries.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

One of the method blanks associated with the samples analyzed within this SDG contained a reportable concentration of antimony between the detection and reporting limits. Associated positive results may be considered biased high or false positive. However, no qualification was necessary because antimony was not detected in the associated samples.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on samples MIT-PZ-23A and MIT-PZ-33. The recoveries and RPDs were within QC limits except for calcium in MIT-PZ-23A. However, no qualification was necessary because calcium was detected in the parent sample at greater than 4 times the spike concentration.

Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Acceptable duplicate precision was achieved for both duplicate pairs.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. Samples MIT-APA12-FB-01 and MIT-APA12-FB-02 are field blanks and are associated with samples MIT-PZ-2D and MIT-PZ-19, respectively. Samples MIT-APA12-EB-01 and MIT-APA12-EB-02 are equipment blanks. MIT-APA12-EB-01 is an equipment blank of the discharge tubing for dedicated bladder pumps and MIT-APA12-EB-02 is the equipment blank associated with monitoring well MIT-PZ-57. Field blank MIT-APA12-FB-01 contained reportable detections of antimony and boron between the detection and reporting limits, and associated results may be considered biased high or false positive. No qualification was required for antimony because antimony was not detected in the associated samples.

> *Action: The boron result for sample MIT-PZ-2D was qualified as not detected based on blank data (false positive) and flagged "U*".*

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Methods SW6010D and SW6020B.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator unless overridden by qualification for other QC criteria.

Mercury (SW7470A)

The samples were submitted to Pace for mercury by Method SW7470A. Each of the Level II components were within laboratory QC limits except MS/MSD RPD.

Holding Times

The sample analyses were performed within the 28-day analysis holding time.

Method Blanks

The method blanks associated with the samples analyzed within this SDG did not contain reportable detections of mercury.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on sample MIT-APA12-FB-01, and the recoveries were within QC limits. However, the RPD exceeded the limits, but no qualification was applied because the mercury was not detected in the parent sample.

Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

Field Duplicate Precision

As previously noted, two blind field duplicate sample pairs were collected and submitted to the laboratory for this sampling event. The RPD could not be calculated because mercury was not detected in either the parent or duplicate samples, indicating acceptable precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Mercury was not detected in the equipment blanks or the field blanks.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of mercury by USEPA Method SW7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates, however there were none in this SDG.

Anions (EPA 300.0)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method 300.0. Each of the Level II components were within laboratory QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding time.

Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of anions.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on samples MIT-PZ-25 and MIT-APA12-EB-01, and the MS and MSD recoveries and RPDs were within QC limits.

Field Duplicate Precision

As previously noted, two blind field duplicate sample pairs were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Anions were not detected in the equipment blanks or the field blanks.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method 300.0. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory. The "J" qualifier is maintained by the data validator.

TDS (SM2540C)

The samples were submitted to Pace for TDS by Method SM2540C. Each of the Level II components were within QC limits except equipment blank contamination and field duplicate precision.

Holding Times

The sample analyses were performed within the 7-day analysis holding time.

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Laboratory Duplicate Precision

Laboratory duplicate analyses were performed on project samples MIT-APA12-EB-01, and the RPD could not be calculated because TDS was not detected in either sample. Additionally, laboratory duplicate analyses were performed on project sample MIT-PZ-17, and the RPD was within QC limits.

Field Duplicate Precision

As previously noted, two field duplicate sample pairs were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for duplicate pairs MIT-PZ-18/MIT-APA12-FD-01. The RPD for duplicate pair MIT-PZ-57/MIT-APA12-FD-02 exceeded the QC limits.

Action: The TDS results for samples MIT-PZ-57 and MIT-APA12-FD-02 were qualified as estimated and flagged "J".

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

TDS was detected in equipment blank MIT-APA12-EB-02 at a concentration above the reporting limit and associated results may be considered biased high or false positive. Equipment blank MIT-APA12-EB-02 is associated with MIT-PZ-57 and field duplicate MIT-APA12-FD-02. However, no qualification is historically applied to project samples for TDS.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM2540C and no samples required dilutions; therefore, RLs were met for this project.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory; however, there were none reported in this SDG.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment.

References

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: JAH 09/18/24
Checked By/Date: DWK 09/19/24

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92748119
SAMPLING DATES: AUGUST 13 - 15, 2024
Plant Mitchell Ash Ponds AP-A, AP-1 and AP-2

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
MIT-PZ-2D	PZ-2D	N	92748119	6020B	boron	0.017	J	U*	BF	mg/L
MIT-PZ-57	PZ-57	N	92748119	2540C	total dissolved solids	348		J	FD	mg/L
MIT-APA12-FD-02	PZ-57	FD	92748119	2540C	total dissolved solids	495		J	FD	mg/L

Notes:

Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by other DQE qualifiers.

Laboratory Qualifiers:

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

Reason Codes:

BF = Field blank contamination. The result should be considered "not-detected".
FD = Field duplicate precision.

Validation Qualifiers:

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.

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

Prepared by/Date: JAH 09/18/24
Checked by/Date: DWK 09/19/24

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 22
Project No: US-EI-6122160170.2404.****
Method: Metals by SW6010D/SW6020B
Laboratory and Lot: Pace SDG: 92748119 (Pace – Peachtree Corners, GA)
Reviewer/Date: J. Hartness 09/17/24 Senior Reviewer/Date: D. Knaub 09/19/24

YES	NO	NA	COMMENTS

No samples in this SDG required a dilution.

X — Case Narrative and COC Completeness Review
No case narrative is included with Level II data package from Pace.

X — Sample Preservation and cooler temperature met (HNO_3 to pH<2; 6°C±2)
Temps. = 3.8, 3.9, 2.3, 3.8, 3.8, 3.1°C - OK

X — Holding times met (180 days)
Coll: 08/13/24 – 08/15/24
6010 – Prep: 08/22/24 Anal: 08/22/24
6020 – Prep: 08/17/24, 08/23/24 Anal: 08/21/24, 08/26/24

X — QC Blanks Review – any MB results above RL?
Method Blanks:
p. 32 SW6010D MB 4518486 (Ca only) = ND
p. 33 SW6010D MB 4519842 (Ca only) = ND

p. 34 SW6020B MB 4514729 ND
p. 36 SW6020B MB 4514733 = ND except:
Sb = 0.00054J x 10 = 0.0054 mg/L (assoc. samples: EB-02, PZ-17)
No flags, associated results ND
p. 38 SW6020B MB 4521510 = ND
Field/Equipment Blanks:
MIT-APA12-FB-01 (assoc. sample MIT-PZ-2D)
Sb = 0.0018 J x10 = 0.018 mg/L
B = 0.015 J x10 = 0.15 mg/L
Flag U: B in MIT-PZ-2D*
MIT-APA12-FB-02 (assoc. MIT-PZ-19) = ND
MIT-APA12-EB-01 = ND
MIT-APA12-EB-02 (assoc. sample MIT-PZ-57) = ND

X — Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)
p. 32 SW6010D LCS 4518487 – Ca =115% OK
p. 33 SW6010D LCS 4519843 – Ca =113% OK

p. 34 SW6020B LCS 4514730 – All OK
p. 36 SW6020B LCS 4514733 – All OK
p. 38 SW6020B LCS 4521511 – All OK

Metals (SW6010D/6020B) continued:

YES	NO	NA	COMMENTS
X			Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

Constituent	MIT-PZ-18 (mg/L)	MIT-APA12-FD-01 (mg/L)	RPD/Diff & RL
Ca	139	139	0.0
As	ND (<0.00084)	0.00088J	0.00004 0.005
Ba	0.025	0.025	0.0
B	0.37	0.38	2.7
Li	0.0041 J	0.0042 J	0.0001 0.03

Constituent	MIT-PZ-57 (mg/L)	MIT-APA12-FD-02 (mg/L)	RPD/Diff & RL
Ca	98.3	99.5	1.2
As	0.00086J	0.0012J	0.00034 0.005
Ba	0.048	0.047	2.1
B	0.18	0.18	0.0
Cr	0.0044 J	0.0043 J	0.0001 0.005
Se	0.001 J	ND(<0.00096)	0.00004 0.005

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).

No lab dups for metals

X Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

p. 32 SW6010D (Ca only) – not a sample from this SDG
p. 33 SW6010D (Ca only) – MIT-*PZ-23A –Ca* = 82, 234% RPD = 1 *No flag, sample > 4x spike*

p. 35 SW6020B - not a sample from this SDG
p. 36-37 SW6020B - not a sample from this SDG
p. 38-39 SW6020B - MIT-PZ-33 – all %recs and RPDs OK

X Post Digestion Spike recoveries within limits (if applicable: 80-120%)
Not reported for L2 data package

X Total metals vs dissolved metals (RPD < 20% or diff. < RL)
No dissolved results in this SDG

X EDD Data Verification vs. Hardcopy (10% samples for each SDG)
Checked all samples in this SDG - OK

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 22
Project No: US-EI-6122160170.2404.****
Method: Hg by SW7470A
Laboratory and Lot: Pace SDG: 92748119 (Pace – Peachtree Corners, GA)
Reviewer/Date: J. Hartness 09/17/24 Senior Reviewer/Date: D. Knaub 09/19/24

YES NO NA COMMENTS

No samples in this SDG required a dilution.

X Case Narrative and COC Completeness Review
No case narrative is included with Level II data package from Pace.

X Sample Preservation and cooler temperature met (HNO_3 to pH<2; 6°C±2)
Temps. = 3.8, 3.9, 2.3, 3.8, 3.8, 3.1°C - OK

X Holding times met (Hg = 28 days)
Coll: 08/13/24 – 08/15/24; Prep and Anal: 08/26/24, 08/27/24

X QC Blanks Review – any MB results above RL?
Method Blanks:
p. 40 MB 4518068 Hg = ND p. 41 MB 4524107 Hg = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 and MIT-APA12-EB-02 = ND

X Laboratory Control Sample (LCS) recovery within limits (Metals 70-130%, Hg = 80-120%)
p. 40 LCS 4518069 Hg = 83%; p. 41 LCS 4524108 Hg = 109%

X Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

	MIT-PZ-18 (mg/L)	MIT-APA12-FD-01 (mg/L)	RPD/Diff & RL
Hg	ND	ND	NA
	MIT-PZ-57 (mg/L)	MIT-APA12-FD-02 (mg/L)	RPD/Diff & RL
Hg	ND	ND	NA

No lab dups for Hg

X Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)
p. 40 MIT-APA12-FB-01 Hg = 80, 100% RPD = 21 – *no flags samples ND*
p. 41 not a sample from this SDG

X Total metals vs dissolved metals (RPD < 20% or diff. < RL)
No dissolved results in these SDGs

X EDD Data Verification vs. Hardcopy (10% samples for each SDG)
Checked all samples in this SDG - OK
No dilutions in this SDG for Hg

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 22
Project No: US-EI-6122160170.2404.****
Method: Anions (chloride, fluoride, sulfate) by EPA 300
Laboratory and Lot: Pace SDG: 92748119 (Analyzed @ Pace – Asheville, NC)
Reviewer/Date: J. Hartness 09/17/24 Senior Reviewer/Date: D. Knaub 09/19/24

YES NO NA COMMENTS

No samples in this SDG required a dilution

X Case Narrative and COC Completeness Review
No case narrative is included with Level II data package from Pace

X Sample Preservation and cooler temperature met (Cool to 6°C)
Temps. = 3.8, 3.9, 2.3, 3.8, 3.8, 3.1°C - OK

X Holding times met (28 days)
Coll: 08/13/24 – 08/15/24 Anal: 08/15/24 – 08/17/24

X QC Blanks Review – Any detections above RL?
Method Blanks:
p. 45 MB 4512588 = ND p. 46 MB 4512595 = ND
p. 47 MB 4514707 = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 and MIT-APA12-EB-02 = ND

X Laboratory Control Sample (LCS) recovery within lab limits (90-110%)
p. 45 LCS 4512589 – All OK p. 46 LCS 4512596 – All OK
p. 47 LCS 4514708 – All OK

X Lab Duplicate - Field Duplicate precision goals met (20%)

Constituent	MIT-PZ-18 (mg/L)	MIT-APA12-FD-01 (mg/L)	RPD/Diff & RL
Cl	4.2	4.2	0.0
SO_4	94.3	94.6	0.3
Constituent	MIT-PZ-57 (mg/L)	MIT-APA12-FD-02 (mg/L)	RPD/Diff & RL
Cl	2.0	2.0	0.0
SO_4	59.7	59.5	0.3

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).

X Matrix Spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)
p. 45 MIT-PZ-25 - %recs and RPDsOK
p. 46 MIT-APA12-EB-01 - %recs and RPDs OK
p. 47 not samples from this SDG

X EDD Data Verification vs. Hardcopy (10% samples for each SDG)
Checked all samples in this SDG - OK

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 22
Project No: US-EI-6122160170.2404.****
Method: TDS by SM2540C
Laboratory and Lot: Pace SDG: 92748119 (Analyzed @ Pace – Asheville, NC)
Reviewer/Date: J. Hartness 09/18/24 Senior Reviewer/Date: D. Knaub 09/19/24

YES	NO	NA	COMMENTS

No samples in this SDG required a dilution.

X — Case Narrative and COC Completeness Review
No case narrative is included with Level II data package from Pace.

X — Sample Preservation and cooler temperature met (Cool 6°C±2)
Temps. = 3.8, 3.9, 2.3, 3.8, 3.8, 3.1°C - OK

X — Holding times met (TDS = 7 days)
Coll: 08/13/24 – 08/15/24 Anal: 08/18/24, 08/19/24, 08/21/24 - OK

X — QC Blanks Review – any MB results above RL?
Method Blanks:
p. 42 MB 4518022 = ND p. 43 MB 4514654 = ND
p. 44 MB 4514973 = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 = ND
MIT-APA12-EB-02 (assoc. PZ-57/FD-02) = 74 x 10 = 740 mg/L
No flag are historically applied for TDS

X — Laboratory Control Sample (LCS) recovery within limits
p. 42 LCS 4518023 TDS = 98% p. 43 LCS 4514655 TDS = 105%
p. 44 LCS 4514973 TDS = 103%

X — Lab Duplicate - Field Duplicate precision goals met (lab limits - 20%)

Constituent	MIT-PZ-18 (mg/L)	MIT-APA12-FD-01 (mg/L)	RPD/Diff & RL
TDS	468	462	1.3
Constituent	MIT-PZ-57 (mg/L)	MIT-APA12-FD-02 (mg/L)	RPD/Diff & RL
TDS	348	495	34.9

Flag samples MIT PZ-57 and MIT-APA12-FD-02 J

Lab Duplicates:
p. 42 MIT-PZ-17 RPD – OK p. 43 *Not samples from this SDG*
p. 44 MIT-APA12-EB-01 both ND

X — Matrix Spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)
Not applicable to TDS

X — EDD Data Verification vs. Hardcopy (10% samples for each SDG)
Checked all samples in this SDG, OK

Data Evaluation Narrative
Project: Plant Mitchell CCR Groundwater Semiannual Event #22 - Radium
WSP Project Number: US-EI-6122160170.2404.****
Site: Ash Ponds AP-A, AP-1, and AP-2 - Plant Mitchell, Georgia
Matrix: Groundwater

Pace SDG No: 92748122

Introduction

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #22 (August 2024) conducted at Ash Ponds AP-A, AP-1, and AP-2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft* Plant Mitchell *Field Sampling Plan* (FSP) (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE was performed on the samples analyzed by the fixed-based laboratory within these sample delivery groups (SDGs). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

Qualifier	Usable Data
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. *SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.*
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. *Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).*
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Qualifier	Unusable Data
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in Table 1.

Deliverables

The data package as submitted to WSP USA Environment & Infrastructure Inc. (WSP) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW9315 and SW9320.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for metals, anions, and total dissolved solids (TDS) and reported separately in SDG 92748119. Samples reported in this SDG were sent from Pace's Georgia facility to their laboratory in Greenburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

GPC Sample ID	Sample Date	DQE Level	GPC Sample ID	Sample Date	DQE Level
MIT-PZ-1D	08/13/24	II	MIT-PZ-31	08/13/24	II
MIT-PZ-2D	08/13/24	II	MIT-PZ-32	08/13/24	II
MIT-PZ-7D	08/15/24	II	MIT-PZ-33	08/15/24	II
MIT-PZ-14	08/14/24	II	MIT-PZ-57	08/15/24	II
MIT-PZ-15	08/14/24	II	QC Samples		
MIT-PZ-16	08/14/24	II	MIT-APA12-EB-01	08/14/24	II
MIT-PZ-17	08/15/24	II	MIT-APA12-EB-02	08/15/24	II
MIT-PZ-18	08/14/24	II	MIT-APA12-FB-01	08/13/24	II
MIT-PZ-19	08/14/24	II	MIT-APA12-FB-02	08/14/24	II
MIT-PZ-23A	08/14/24	II	MIT-APA12-FD-01	08/14/24	II
MIT-PZ-25	08/13/24	II	MIT-APA12-FD-02	08/15/24	II

These samples were collected from Ash Ponds AP-A, AP-1 and AP-2 between August 13 and August 15, 2024. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-18, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-57. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQuIS database as instructed by GPC by adding the sample type code (WG [groundwater] or WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20240814]); example: *MIT-PZ-14-WG-20240814*. The laboratory incorrectly transcribed the sample times for MIT-PZ-57 and MIT-PZ-FB-02, however they were corrected in the project database.

The analytical results for the radium data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Radium (SW9315/SW9320)

The samples were submitted to Pace for radium-226 (Ra-226), radium-228 (Ra-228) by Methods SW9315 and SW9320, and total radium by calculation. Each of the Level II components were within QC limits.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

The method blanks did not contain reportable concentrations of radium above the minimum detectable concentration (MDC).

Laboratory Control Sample (LCS)

The LCS recoveries were within QC limits.

Laboratory Duplicate Precision

Laboratory duplicates were performed on samples MIT-PZ-25 for Ra-226 and the RPD was within QC limits.

Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Total radium, Ra-226, and Ra-228 were not detected above the MDC in duplicate pair MIT-APA12-FD-01 / MIT-PZ-18. For duplicate pair MIT-APA12-FD-02 / MIT-PZ-57, Ra-226 was detected in the duplicate but not the parent, therefore an RPD could not be calculated. However, the difference between results was less than the MDC, indicating acceptable precision.

Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The equipment blanks MIT-APA12-EB-01 and MIT-APA12-EB-02 and field blanks, MIT-APA12-FB-01 and MIT-APA12-FB-02 did not contain Ra-226, Ra-228, or total radium above the MDC.

Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries were within QC limits for the samples in this SDG.

Reporting Limits/Minimum Detectable Concentrations

The RLs (MDCs) were below the screening level of 5 pCi/L for samples submitted for the analysis of radium-226 and radium-228 by Methods SW9315 and SW9320.

Sample results in which the values were reported at concentrations below the MDC were flagged "U" and considered not detected.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment, and the data are usable without qualification.

References

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: JAH 09/18/24
Checked By/Date: DWK 09/19/24

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92748122
SAMPLING DATES: AUGUST 13 - 15, 2024
Plant Mitchell Ash Ponds AP-A, AP-1 and AP-2

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
No qualification necessary										

Notes:

No qualification was required for the data reported in this sample delivery group.

Prepared by/Date: JAH 09/18/24
Checked by/Date: DWK 09/19/24

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 22
Project No: US-EI-6122160170.2404.****
Method: Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320
Laboratory and Lot: Pace SDG: 92748122 (Pace-Greensburg, PA)
Reviewer/Date: J. Hartness 09/18/24 Senior Reviewer/Date: D. Knaub 09/19/24

YES	NO	NA	COMMENTS
X			Case Narrative and COC Completeness Review No case narrative is included with Level II data package from Pace.
X			Sample Preservation and cooler temperature met (HNO_3 to pH<2) Temps. = 3.8, 3.9, 2.3, 3.8, 3.8, 3.1°C - OK
X			Holding times met (180 days) Collected: 08/13/24 – 08/15/24 Analyzed: Ra-226: 09/04/24, 09/09/24 Analyzed: Ra-228: 08/28/24, 09/04/24, 09/09/24 Total Ra: 09/05/24, 09/09/24, 09/10/24
X			QC Blanks Review (net blank value <MDC) p. 33 Ra-226 (3364353) = present but <MDC p. 34 Ra-228 (3363812) = present but <MDC p. 35 Ra-228 (3369427) = present but <MDC p. 36 Ra-228 (3363813) = present but <MDC p. 37 Ra-226 (3363058) = present but <MDC Field/Equipment Blanks: p. 12 MIT-APA12-EB-02 = ND p. 18 MIT-APA12-FB-01 = ND p. 24 MIT-APA12-EB-01 = ND p. 30 MIT-APA12-FB-02 = ND
X			Laboratory Control Sample (LCS) recovery within lab limits (60-135%) p. 59 Ra-228 = 80.23, 85.62% RPD = 6.5% p. 60, 61 Ra-226 = 103.55, 98.28% RPD = 5.22% p. 62, 65 Ra-226 = 91.46, 112.77% RPD = 20.86% p. 63 Ra-228 = 73.96, 77.76% RPD = 5.01% p. 64 Ra-228 = 91.99, 88.17% RPD = 4.24%
X			Lab Duplicate - Field Duplicate precision goals met (lab limits); lab dup every 10 samples *(RPD = RER (2σ) <3)*

Constituent	MIT-PZ-18 (pCi/L)	MIT-APA12-FD-01 (pCi/L)	RPD
Radium not detected above the MDC			

Constituent	MIT-PZ-57 (pCi/L)	MIT-APA12-FD-02 (pCi/L)	RPD/RL
Ra-226	ND (<0.322)	0.381	0.058/0.323

In cases where one or both results are less than the RL (ND or lab "J" values), differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL.

Lab dups: p. 60, 61 MIT-PZ-25 Ra-226 RPD 0.72% OK
Lab dups: p. 62, 65 not a sample from this SDG

YES	NO	NA	COMMENTS
		☒	Matrix Spike recoveries and RPDs within limits (if applicable) None in this SDG
☒			Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba); Ra-228 (Carrier Ba, Tracer: Y) (30-110%) Included on results pages - OK
☒			EDD Data Verification vs. Hardcopy (10% samples for each SDG). Checked all samples in this SDG - OK

Data Evaluation Narrative
Project: Plant Mitchell CCR Groundwater Semiannual Event #23
WSP Project Number: US-WSP-31406440.6902.2503
Site: Ash Ponds AP-A, AP-1, and AP-2 - Plant Mitchell, Georgia
Matrix: Groundwater

Pace SDG No: 92784814

Introduction

A data quality evaluation (DQE) was performed on the laboratory data reported for the Semiannual Event #23 (March 2025) conducted at Ash Ponds AP-A, AP-1, and AP-2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft* Plant Mitchell *Field Sampling Plan* (FSP) (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE validation was performed on the samples analyzed by the fixed-based laboratory within this sample delivery group (SDG). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in United States Environmental Protection Agency (USEPA) Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

Qualifier	Usable Data
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. *SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.*
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. *Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).*
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.
Qualifier	**Unusable Data**
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in these SDGs are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data packages, as submitted to WSP USA Inc. (WSP) are complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW6020B, SW7470A, SM2540C, and EPA 300.0.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for Appendix III and Appendix IV metals (antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, lead, lithium, molybdenum, selenium, and thallium) by Method SW6020B, mercury by Method SW7470A, anions (chloride, fluoride, and sulfate) by Method E300.0, and total dissolved solids (TDS) by Method SM2540C. Lithium was analyzed by Pace National in Mt. Juliet Tennessee, and the remaining 6020B metals and mercury were analyzed by Pace-West Columbia, South Carolina. Anions and TDS were analyzed by Pace-Asheville, North Carolina. These data are reported in this SDG: 92784814.

Samples were also sent from Pace's Georgia facility to their laboratory in Greensburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320. The radium data were reported in SDG 92784820 and validated separately.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control samples:

SDG 92784814:

Field Sample ID	Sample Date	DQE Level	Field Sample ID	Sample Date	DQE Level
MIT-PZ-1D	03/11/25	II	MIT-PZ-31	03/11/25	II
MIT-PZ-2D	03/11/25	II	MIT-PZ-32	03/12/25	II
MIT-PZ-7D	03/13/25	II	MIT-PZ-33	03/13/25	II
MIT-PZ-14	03/12/25	II	MIT-PZ-57	03/13/25	II
MIT-PZ-15	03/13/25	II	**QC Samples**		
MIT-PZ-16	03/12/25	II	MIT-APA12-EB-01	03/12/25	II
MIT-PZ-17	03/12/25	II	MIT-APA12-EB-02	03/13/25	II
MIT-PZ-18	03/12/25	II	MIT-APA12-FB-01	03/11/25	II
MIT-PZ-19	03/12/25	II	MIT-APA12-FB-02	03/12/25	II
MIT-PZ-23A	03/13/25	II	MIT-APA12-FD-01	03/13/25	II
MIT-PZ-25	03/12/25	II	MIT-APA12-FD-02	03/12/25	II

These samples were collected from Ash Ponds AP-A, AP-1 and AP-2 between March 11 and March 13, 2025. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-7D, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-25. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQuIS database as instructed by GPC by adding the sample type code (WG [groundwater] or WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20250311]); example: *MIT-PZ-1D-WG-20250311*.

The analytical results for metals, mercury, anions, and TDS are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Metals (SW6020B)

The samples were submitted to Pace for CCR Appendix III and Appendix IV metals by Method SW6020B. The CCR Appendix III metals for this event are: boron (B) and calcium (Ca). The Appendix IV metals for this event are antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), lead (Pb), lithium (Li), molybdenum (Mo), selenium (Se), and thallium (Tl). Each of the Level II components were within laboratory QC limits except for MS/MSD recoveries.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

The method blanks associated with the samples analyzed did not contain any reportable detections of metals.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on samples MIT-PZ-1D and MIT-PZ-23A, and an MS analysis was performed on samples MIT-APA12-FB-01, MIT-PZ-32, and MIT-PZ-33. The recoveries and RPDs were within QC limits except for calcium recoveries in MIT-PZ-32 and MIT-PZ-33. However, no qualification was necessary because calcium was detected in the parent samples at greater than 4 times the spike concentration.

Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Acceptable duplicate precision was achieved for both duplicate pairs indicating good sampling precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. Equipment rinsate blanks are collected to monitor the decontamination process and field blanks are collected to assess the water used to decontaminate the equipment and the containers into which samples are placed. Samples MIT-APA12-FB-01 and MIT-APA12-FB-02 are field blanks and are associated with samples MIT-PZ-2D and MIT-PZ-19, respectively. Samples MIT-APA12-EB-01 and MIT-APA12-EB-02 are equipment blanks. MIT-APA12-EB-01 is an equipment blank of the discharge tubing for dedicated bladder pumps and MIT-APA12-EB-02 is the equipment blank associated with monitoring well MIT-PZ-57. The field and equipment blanks did not contain reportable detections of metals.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of metals by USEPA Method SW6020B. Dilution was required for to place concentrations within the calibration curve for the following:

Sample	Analyte	Dilution
MIT-PZ-1D	Ca	10x
MIT-PZ-31	Ca	10x
MIT-PZ-16	Ca	10x
MIT-PZ-14	Ca	10x
MIT-PZ-32	Ca	10x
MIT-PZ-25	Ca	10x
MIT-APA12-FD-02	Ca	10x
MIT-PZ-19	B, Ca	10x
MIT-PZ-18	B, Ca	5x
MIT-PZ-17	Ca	10x
MIT-PZ-57	Ca	10x
MIT-PZ-15	Ca	10x
MIT-PZ-23A	Ca	10x
MIT-PZ-7D	Ca	5x
MIT-APA12-FD-01	Ca	5x
MIT-PZ-33	B, Ca	5x

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged “J” by the laboratory. The “J” qualifier is maintained by the data validator unless overridden by qualification for other QC criteria.

Mercury (SW7470A)

The samples were submitted to Pace for mercury by Method SW7470A. Each of the Level II components were within laboratory QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding time.

Method Blanks

The method blanks associated with the samples analyzed within this SDG did not contain reportable detections of mercury.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCS.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on samples MIT-PZ-1D, MIT-APA12-EB-01, and MIT-APA12-EB-02, and the recoveries and RPDs were within QC limits.

Post Digestion Spike (PDS)

PDS analyses results were not reported within this Level 2 data package.

Field Duplicate Precision

As previously noted, two blind field duplicate sample pairs were collected and submitted to the laboratory for this sampling event. The RPD could not be calculated because mercury was not detected in either the parent or duplicate samples, indicating acceptable precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Mercury was not detected in the equipment blanks or the field blanks.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of mercury by USEPA Method SW7470A. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates, however there were none in this SDG.

Anions (EPA 300.0)

The samples were submitted to Pace for anions (chloride, fluoride, and sulfate) by Method E300.0. Each of the Level II components were within laboratory QC limits.

Holding Times

The sample analyses were performed within the 28-day analysis holding time.

Method Blanks

The method blanks associated with the samples analyzed within this SDG contained no reportable detections of anions.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

An MS/MSD analysis was performed on samples MIT-APA12-EB-01 and MIT-APA12-FD-01, and recoveries and RPDs were within QC limits.

Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Acceptable duplicate precision was achieved for both duplicate pairs indicating good sampling precision.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

Anions were not detected in the equipment blanks or the field blanks.

Reporting Limits

The laboratory RLs were below the screening values for samples submitted for the analysis of anions by USEPA Method E300.0. Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged “J” by the laboratory. The “J” qualifier is maintained by the data validator.

TDS (SM2540C)

The samples were submitted to Pace for TDS by Method SM2540C. Each of the Level II components were within QC limits except for holding time.

Holding Times

The sample analyses were performed within the 7-day analysis holding time except for samples MIT-PZ-57, MIT-PZ-15, MIT-PZ-23A, MIT-PZ-33, MIT-PZ-7D, MIT-APA12-FD-01, and MIT-APA12-EB-02.

> *Action: The TDS for the above-mentioned samples was analyzed greater than two times the recommended holding time and per validation guidelines would be considered unusable; however, due to professional judgment, the results were considered estimated and usable. Therefore, the TDS results for samples MIT-PZ-57, MIT-PZ-15, MIT-PZ-23A, MIT-PZ-33, MIT-PZ-7D, and MIT-APA12-FD-01 were qualified as estimated and flagged "J", and the associated result for MIT-APA12-EB-02 was qualified as not detected with an approximate reporting limit and flagged "UJ". See Overall Site Evaluation and Professional Judgment Changes section for details.*

Method Blanks

The method blank associated with the samples analyzed within this SDG did not contain TDS.

Laboratory Control Sample (LCS)

Percent recoveries for target analytes were within quality control limits in the LCSs.

Laboratory Duplicate Precision

Laboratory duplicate analyses were performed on project samples MIT-PZ-17 and MIT-APA12-EB-02, and the RPD for MIT-PZ-17 was within QC limits. The RPD could not be calculated for MIT-APA12-EB-02 because TDS was not detected in the sample or lab duplicate.

Field Duplicate Precision

As previously noted, two field duplicate sample pairs were collected and submitted to the laboratory for this sampling event, and acceptable duplicate precision was achieved for both duplicate pairs.

Sampling Accuracy (Equipment Rinsate Blanks, Field Blanks)

TDS was not detected in the equipment or field blanks.

Reporting Limits

The laboratory RL was below the screening value of 500 mg/L for samples submitted for the analysis of TDS by Method SM2540C and no samples required dilutions; therefore, RLs were met for this project.

Additionally, data are evaluated down to the MDL and results reported between the MDL and RL are considered quantitative estimates. Results reported between the MDL and RL were qualified as estimated and flagged "J" by the laboratory; however, there were none reported in this SDG.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were edited based on professional judgment for TDS results reported for 7 samples. The TDS for the above-mentioned samples was analyzed greater than two times the recommended holding time and per validation guidelines would be considered unusable; however, due to professional judgment, the results were considered estimated and usable. Comparison of the 2025 TDS results were made to the 2023 and 2024 results and the TDS reported for the affected samples were within the minimum and maximum results previously reported with no significant differences. Therefore, the data are usable as qualified in this narrative.

References

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: DWK 04/08/24
Checked By/Date: JAH 04/22/25

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92784814
SAMPLING DATES: March 11 - 13, 2025
Plant Mitchell Ash Ponds AP-A, AP-1 and AP-2

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
MIT-PZ-7D	PZ-7D	N	92784814	SM2540C	total dissolved solids	316	H1	J	H	mg/L
MIT-APA12-FD-01	PZ-7D	FD	92784814	SM2540C	total dissolved solids	310	H1	J	H	mg/L
MIT-PZ-15	PZ-15	N	92784814	SM2540C	total dissolved solids	329	H1	J	H	mg/L
MIT-PZ-23A	PZ-23A	N	92784814	SM2540C	total dissolved solids	435	H1	J	H	mg/L
MIT-PZ-33	PZ-33	N	92784814	SM2540C	total dissolved solids	323	H1	J	H	mg/L
MIT-PZ-57	PZ-57	N	92784814	SM2540C	total dissolved solids	321	H1	J	H	mg/L
MIT-APA12-EB-02	Equipment Blank	EB	92784814	SM2540C	total dissolved solids	<25.0	U, H1	UJ	H	mg/L

Notes:
Results qualified "J" due to detections between the MDL and RL are not included on this table unless overridden by other DQE qualifiers.

Laboratory Qualifiers:
H1 = Holding time was exceeded
U = Not detected

Reason Codes:
FD = Field duplicate precision
H = Holding time was exceeded

Validation Qualifiers:
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ = The analyte was analyzed for, but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.

Prepared by/Date: DWK 04/08/25
Checked by/Date: JAH 04/22/25

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 23
Project No: US-WSP-31406440.6902.2503
Method: Metals by SW6020B
Laboratory and Lot: Pace SDG: 92784814 (Li analyzed @ Pace Mt. Juliet, TN other metals @ Pace West Columbia, SC)
Reviewer/Date: D. Knaub 04/08/25 **Senior Reviewer/Date:** J. Hartness 04/22/25

YES	NO	NA	COMMENTS

Dilutions: Ca(10x) for PZ-1D, PZ-31, PZ-13, PZ-14, PZ-32, PZ-25, FD-02, PZ-17, PZ-57, PZ-15, PZ-23
Ca (5x) for PZ-7D, FD-01 Ca and B (10x) for PZ-19 Ca and B (5x) for PZ-18, PZ-33

X **Case narrative and COC completeness review**
No case narrative is included with Level II data package from Pace.

X **Sample preservation and cooler temperature met (HNO_3 to pH<2; 6°C±2)**
Temps. = 4.9, 4.2, 2.4, 5.4, 4.9, 5.2°C - OK

X **Holding times met (180 days)**
Coll: 03/11/25 – 03/13/25
6020B – Prep: 03/18/25, 03/19/25, 03/25/25, 03/26/25
Anal: 03/19/25, 03/20/25, 03/26/25, 03/27/25, 03/28/25

X **QC blanks review – any MB results above RL?**
Method Blanks:
p. 32 MB R4188541-1 (Li only) = ND
p. 33 MB R4188996-1 (Li only) = ND
p. 40 MB 4749109 = ND
p. 42 MB 4750034 = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 = ND
MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 = ND
MIT-APA12-EB-02 = ND

X **Laboratory control sample (LCS) recovery within limits (metals 70-130%, Hg = 80-120%)**
p. 32 LCS R4188541-2 – Li =96.8% OK
p. 33 LCS R4188996-2 – Li =95.5% OK

p. 40 LCS 4749110 – All OK
p. 42 LCS 4750035 – All OK

Metals (SW6020B) continued:

YES	NO	NA	COMMENTS

X

Lab duplicate - field duplicate precision goals met (lab limits - 20%)

Constituent	**MIT-PZ-7D** (mg/L)	**MIT-APA12-FD-01** (mg/L)	RPD/Diff & RL
Ba	0.0064	0.0064	0.0
B	0.18	0.18	0.0
Ca	95.8	95.1	0.7
Cr	0.0021 J	0.0019 J	0.0002 0.005
Li	0.00215 J	0.00215 J	0.0000 0.03
Constituent	**MIT-PZ-25** (mg/L)	**MIT-APA12-FD-02** (mg/L)	RPD/Diff & RL
Ba	0.097	0.097	0
B	0.19	0.19	0
Ca	90.7	85.7	5.7
Li	0.00835 J	0.00829 J	0.00006 0.03
Tl	0.00075 J	0.00074 J	0.00001 0.001

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).

No lab dups for metals

X

Matrix spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)

p. 32 *MIT-PZ-1D* –Li = 98.3, 96.8% RPD = 1.50
p. 33 *MIT-PZ-23A* Li = 94.5, 96.6% RPD = 2.21
p. 41 (MS only) *MIT-APA12-FB-01* - All %recs OK
p. 41 (MS only) *MIT-PZ-32* - All %rec OK except:
Ca = -51% No flag, parent > 4x spike
p. 42-43 (MS only) *MIT-PZ-33* - All %recs OK except:
Ca = 54% No flag, parent > 4x spike
p. 43 not a sample from this SDG

X

Post digestion spike recoveries within limits (if applicable: 80-120%)

Not reported for L2 data package

X

Total metals vs dissolved metals (RPD < 20% or diff. < RL)

No dissolved results in this SDG

X

EDD data verification vs. hardcopy (10% samples for each SDG)

Checked all samples in this SDG - OK

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 23
Project No: US-WSP-31406440.6902.2503
Method: Hg by SW7470A
Laboratory and Lot: Pace SDG: 92784814 (analyzed @ Pace West Columbia, SC)
Reviewer/Date: D. Knaub 04/08/25 **Senior Reviewer/Date:** J. Hartness 04/22/25

YES NO NA COMMENTS

No samples in this SDG required a dilution.

X **Case narrative and COC completeness review**
No case narrative is included with Level II data package from Pace.

X **Sample preservation and cooler temperature met (HNO_3 to pH<2; 6°C±2)**
Temps. = 4.4, 4.2, 2.4, 5.4, 4.9, 5.2°C - OK

X **Holding times met (Hg = 28 days)**
Coll: 03/11/25 – 03/13/25; Prep: 03/23/25 Anal: 03/27/25

X **QC blanks review – any MB results above RL?**
Method Blanks:
p. 44 MB 4748621 Hg = ND p. 45 MB 4748627 Hg = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 and MIT-APA12-EB-02 = ND

X **Laboratory control sample (LCS) recovery within limits (metals 70-130%, Hg = 80-120%)**
p. 44 LCS 4748622 Hg = 116%; p. 45 LCS 4748628 Hg = 111%

X **Lab duplicate - field duplicate precision goals met (lab limits - 20%)**

	MIT-PZ-7D (mg/L)	**MIT-APA12-FD-01** (mg/L)	RPD/Diff & RL
Hg	ND	ND	NA
	MIT-PZ-25 (mg/L)	**MIT-APA12-FD-02** (mg/L)	RPD/Diff & RL
Hg	ND	ND	NA

No lab dups for Hg

X **Matrix spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**

p. 44	MIT-PZ-1D	Hg = 111, 111% RPD = 0 OK
p. 44	MIT-APA12-EB-01	Hg = 113, 110% RPD = 2 OK
p. 45	MIT-APA12-EB-02	Hg = 110, 112% RPD = 2 OK
p. 45	not a sample from this SDG	

X **Total metals vs dissolved metals (RPD < 20% or diff. < RL)**
No dissolved results in these SDGs

X **EDD data verification vs. hardcopy (10% samples for each SDG)**
Checked all samples in this SDG - OK
No dilutions in this SDG for Hg

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 23
Project No: US-WSP-31406440.6902.2503
Method: Anions (chloride, fluoride, sulfate) by EPA 300
Laboratory and Lot: Pace SDG: 92784814 (Analyzed @ Pace – Asheville, NC)
Reviewer/Date: D. Knaub 04/08/24 **Senior Reviewer/Date:** J. Hartness 04/22/25

YES NO NA COMMENTS

No samples in this SDG required a dilution

X **Case narrative and COC completeness review**
No case narrative is included with Level II data package from Pace

X **Sample preservation and cooler temperature met (Cool to 6°C)**
Temps. = 4.4, 4.2, 2.4, 5.4, 4.9, 5.2°C - OK

X **Holding times met (28 days)**
Coll: 03/11/25 – 03/13/25 Anal: 03/14/25, 03/15/25, 03/16/25

X **QC blanks review – Any detections above RL?**
Method Blanks:
p. 37 MB 4738515 = ND p. 38 MB 4740514 = ND
p. 39 MB 4740520 = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 and MIT-APA12-EB-02 = ND

X **Laboratory control sample (LCS) recovery within lab limits (90-110%)**
p. 37 LCS 4738516 – All OK p. 38 LCS 4740515 – All OK
p. 38 LCS 4740521 – All OK

X **Lab duplicate - field duplicate precision goals met (20%)**

Constituent	**MIT-PZ-7D** (mg/L)	**MIT-APA12-FD-01** (mg/L)	RPD/Diff & RL
Cl	3.1	3.1	0
F	ND	ND	NC
SO_4	34.9	34.9	0
Constituent	**MIT-PZ-25** (mg/L)	**MIT-APA12-FD-02** (mg/L)	RPD/Diff & RL
Cl	1.8	1.8	0
F	0.13	0.13	0
SO_4	35.3	35.0	0.85

In cases where results are less than the RL (lab "J" values), all differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL (J).

X **Matrix spike recoveries and RPDs within limits (lab %Rec limits, RPD = 20)**
p. 37 not a sample from this SDG
p. 37 MIT-APA12-EB-01 - OK
p. 38 not samples from this SDG
p. 39 MIT-APA12-FD-01 - OK
p. 39 not a sample from this SDG

X **EDD data verification vs. hardcopy (10% samples for each SDG)**
Checked all samples in this SDG - OK

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 23
Project No: US-WSP-31406440.6902.2503
Method: TDS by SM2540C
Laboratory and Lot: Pace SDG: 92784814 (Analyzed @ Pace – Asheville, NC)
Reviewer/Date: D. Knaub 04/08/25 **Senior Reviewer/Date:** J. Hartness 04/22/25

YES	NO	NA	COMMENTS

No samples in this SDG required a dilution.

X **Case narrative and COC completeness review**

X **Sample preservation and cooler temperature met (Cool 6°C±2)**
Temps. = 4.4, 4.2, 2.4, 5.4, 4.9, 5.2°C - OK

X **Holding times met (TDS = 7 days)**
Coll: 03/11/25 – 03/13/25 Anal: 03/17/25, 03/19/25, 03/28/25 (>2x)
***Flag results J**: *MIT-PZ-57, MIT-PZ-15, MIT-PZ-23A, MIT-PZ-33, MIT-PZ-7D, MIT-APA12-FD-01*
***Flag results UJ**: *MIT-APA12-EB-02*
*Professional judgment used to edit flag from R to J. Compared to previous results (2023 and 2024) – no significant diff, within min and max results.

X **QC blanks review – any MB results above RL?**
Method Blanks:
p. 34 MB 4741639 = ND p. 35 MB 4741671 = ND
p. 36 MB 4744332 = ND

Field/Equipment Blanks:
MIT-APA12-FB-01 and MIT-APA12-FB-02 = ND
MIT-APA12-EB-01 and MIT-APA12-EB-02 = ND

X **Laboratory control sample (LCS) recovery within limits**
p. 34 LCS 4741640 TDS = 102% p. 35 LCS 4741672 TDS = 102%
p. 36 LCS 4744333 TDS = 100%

X **Lab duplicate - field duplicate precision goals met (lab limits - 20%)**

Constituent	**MIT-PZ-7D** (mg/L)	**MIT-APA12-FD-01** (mg/L)	RPD/Diff & RL
TDS	316	310	1.9
Constituent	**MIT-PZ-25**(mg/L)	**MIT-APA12-FD-02** (mg/L)	RPD/Diff & RL
TDS	298	304	2

Lab Duplicates:
p. 34, 35 *Not samples from this SDG*
p. 35 MIT-PZ-17 RPD = 0 – OK
p.36 MIT-APA12-EB-02 both results ND - OK
p. 36 not a sample from this SDG

X **Matrix spike recoveries and RPDs within limits (if applicable: 75-125%, RPD 20)**
Not applicable to TDS

X **EDD data verification vs. hardcopy (10% samples for each SDG)**
Checked all samples in this SDG, OK

Data Evaluation Narrative
Project: Plant Mitchell CCR Groundwater Semiannual Event #23 - Radium
WSP Project Number: US-WSP-31406440.6902.2503
Site: Ash Ponds AP-A, AP-1, and AP-2 - Plant Mitchell, Georgia
Matrix: Groundwater

Pace SDG No: 92784820

Introduction

A data quality evaluation (DQE) was performed on the radium data reported for the Semiannual Event #23 (March 2025) conducted at Ash Ponds AP-A, AP-1, and AP-2 at Plant Mitchell, located in Albany, Georgia. The samples were collected and analyzed per the protocols presented in the *Draft* Plant Mitchell *Field Sampling Plan* (FSP) (SCS, 2016). The following sections provide summary discussions of the required data qualifications for the analytical methods for samples collected. A Level II DQE was performed on the samples analyzed by the fixed-based laboratory within this sample delivery group (SDG). A Level II DQE consists of review of the following criteria: sample integrity, holding times, method blanks, laboratory control samples (LCSs), matrix spikes/matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs), post digestion spikes (PDS), where applicable, laboratory and field duplicate RPDs, field and/or equipment blanks, and reporting limits. Additionally, the data summary tables generated from the electronic data deliverable (EDD) were compared to the laboratory hardcopy data report to verify that the EDD and laboratory data report agree.

The data were reviewed using the laboratory's precision and accuracy limits, the method requirements, and any requirements listed in the FSP. It should be noted that at the time of this review, a finalized QAPP was not provided. DQE data qualifications were applied, if necessary, using the procedures in USEPA Region IV Data Validation Standard Operating Procedures (USEPA, 2011) and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020), as guidance, and professional judgment using the following qualifiers:

Qualifier	Usable Data
J	The analyte was positively identified but the result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. *SCS Definition: Value J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce as reliable of a value. Therefore, the value displayed (value J) is qualified by the laboratory as estimated.*
UJ	The analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. The reported method detection limit is approximate and may be inaccurate or imprecise.
U	Analyte was analyzed for but was not detected above the level of the reported sample reporting/method detection limit. *Note: SCS does not use the "U" flag except when reporting results for radium that are detected below the Minimum Detection Concentration (MDC).*
U*	This analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.

Qualifier	Unusable Data
R	The sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed and the data are unusable.
UR	The analyte was analyzed for but was not detected above the level of the reported sample reporting or method detection, however the data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The analyte may or may not be present in the sample.

The analytical results for the samples reported in this SDG are usable with the qualifications discussed in this narrative. A summary of the data with associated qualifiers is presented in **Table 1**.

Deliverables

The data package as submitted to WSP USA Inc. (WSP) is complete to perform a Level II DQE for United States Environmental Protection Agency (USEPA) Methods SW9315 and SW9320.

Sample Integrity

The groundwater samples were submitted to Pace Analytical Services, Inc. (Pace) in Peachtree Corners, Georgia and analyzed for metals, anions, and total dissolved solids (TDS) and reported separately in SDG 92784814. Samples reported in this SDG were sent from Pace's Georgia facility to their laboratory in Greensburg, Pennsylvania and analyzed for radium-226, radium-228, and total radium by Methods SW9315 and SW9320.

Based on the information provided on the Chain-of-Custody (COC) forms, the field samples arrived at the laboratory intact and within the temperature range and preservation requirements. Completed COC documents are included in the data package.

Sample Identification

This SDG contains the following groundwater and quality control (QC) samples:

Field Sample ID	Sample Date	DQE Level	Field Sample ID	Sample Date	DQE Level
MIT-PZ-1D	03/11/25	II	MIT-PZ-31	03/11/25	II
MIT-PZ-2D	03/11/25	II	MIT-PZ-32	03/12/25	II
MIT-PZ-7D	03/13/25	II	MIT-PZ-33	03/13/25	II
MIT-PZ-14	03/12/25	II	MIT-PZ-57	03/13/25	II
MIT-PZ-15	03/13/25	II	**QC Samples**		
MIT-PZ-16	03/12/25	II	MIT-APA12-EB-01	03/12/25	II
MIT-PZ-17	03/12/25	II	MIT-APA12-EB-02	03/13/25	II
MIT-PZ-18	03/12/25	II	MIT-APA12-FB-01	03/11/25	II
MIT-PZ-19	03/12/25	II	MIT-APA12-FB-02	03/12/25	II
MIT-PZ-23A	03/13/25	II	MIT-APA12-FD-01	03/13/25	II
MIT-PZ-25	03/12/25	II	MIT-APA12-FD-02	03/12/25	II

These samples were collected from Ash Ponds AP-A, AP-1 and AP-2 between March 11 and March 13, 2025. Sample MIT-APA12-FD-01 is a field duplicate of MIT-PZ-7D, and MIT-APA12-FD-02 is a field duplicate of MIT-PZ-25. The field QC blanks include samples MIT-APA12-FB-01 and MIT-APA12-FB-02 (field blanks) and MIT-APA12-EB-01 and MIT-APA12-EB-02 (equipment blanks). The sample IDs were modified by WSP for inclusion in the EQuIS database as instructed by GPC by adding the sample type code (WG [groundwater] or WQ [water quality]) and the sample date (YYYYMMDD [i.e., 20250311]); example: *MIT-PZ-1D-WG-20250311*.

The analytical results for the radium data are usable with the qualifications discussed in this narrative. A summary of the data quality is presented below.

Radium (SW9315/SW9320)

The samples were submitted to Pace for radium-226 (Ra-226), radium-228 (Ra-228) by Methods SW9315 and SW9320, and total radium by calculation. Each of the Level II components were within QC limits.

Holding Times

The sample analyses were performed within the 6-month analysis holding time.

Method Blanks

The method blanks did not contain reportable concentrations of radium above the minimum detectable concentration (MDC).

Laboratory Control Sample (LCS)

The LCS recoveries were within QC limits.

Laboratory Duplicate Precision

A laboratory duplicate was performed on sample MIT-APA12-FD-01, and Ra-226 was not detected above the MDC in the parent or duplicate sample.

Field Duplicate Precision

As previously noted, two blind field duplicate samples were collected and submitted to the laboratory for this sampling event. Total radium, Ra-226, and Ra-228 were not detected above the MDC in either duplicate pair, indicating acceptable precision.

Sampling Accuracy (Equipment Blanks, Field Blanks)

Field accuracy was measured through the collection of equipment/rinsate blanks and field blanks. The equipment blanks MIT-APA12-EB-01 and MIT-APA12-EB-02 and field blanks, MIT-APA12-FB-01 and MIT-APA12-FB-02 did not contain Ra-226, Ra-228, or total radium above the MDC.

Carrier and Tracer Yield Recoveries

The carrier and tracer yield recoveries were within QC limits for the samples in this SDG.

Reporting Limits/Minimum Detectable Concentrations

The RLs (MDCs) were below the screening level of 5 pCi/L for samples submitted for the analysis of radium-226 and radium-228 by Methods SW9315 and SW9320.

Sample results in which the values were reported at concentrations below the MDC were flagged “U” and considered not detected.

Overall Site Evaluation and Professional Judgment Flagging Changes

The chemical data included in this SDG was validated in general accordance with the guidelines contained in the project work plan. DQE flags were not applied or edited based on professional judgment, and the data are usable without qualification.

References

SCS, 2016. *Draft Field Sampling Plan – Plant Mitchell*, Georgia Power Company, Earth Science and Environmental Engineering Technical Services, Southern Company Services, Inc. (SCS), August 17, 2016.

US EPA, 2011. Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA, 2020. *EPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, Final, EPA-542-R-20-006, November 2020.

Prepared by/Date: DWK 04/16/25
Checked By/Date: JAH 04/22/25

TABLE 1
SUMMARY OF DATA QUALIFIERS

TABLE 1
SUMMARY OF DATA QUALIFIERS
SAMPLE DELIVERY GROUP 92784820
SAMPLING DATES: March 11 - 13, 2025
Plant Mitchell Ash Ponds AP-A, AP-1 and AP-2

Field Sample ID	Location ID	Type	SDG	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
No qualification necessary										

Notes:
No qualification was required for the data reported in this sample delivery group.

Prepared by/Date: DWK 04/16/25
Checked by/Date: JAH 04/21/25

DQE CHECKLISTS

LEVEL II DATA QUALITY VALIDATION RECORD

Project: Plant Mitchell CCR Semiannual Event 23
Project No: US-WSP-31406440.6902.2503
Method: Radium-226, Radium-228, Total Radium by EPA 9315 and EPA 9320
Laboratory and Lot: Pace SDG: 92784820 (Pace-Greensburg, PA)
Reviewer/Date: D. Knaub 04/16/25 **Senior Reviewer/Date:** J. Hartness 04/21/25

YES	NO	NA		COMMENTS
X			**Case Narrative and COC Completeness Review** No case narrative is included with Level II data package from Pace.	
X			**Sample Preservation and cooler temperature met (HNO_3 to pH<2)** Temps. = 4.9, 4.2, 2.4, 5.4, 4.9, 5.2°C - OK	
X			**Holding times met (180 days)** Collected: 03/11/25 – 03/13/25 Analyzed: Ra-226: 04/02/25, 04/03/25, 04/09/25 Analyzed: Ra-228: 03/31/25, 04/01/25 Total Ra: 04/03/25, 04/09/25	
X			**QC Blanks Review (net blank value <MDC)** p. 33 Ra-226 (3573800) = negative result <MDC p. 34 Ra-228 (3573798) = present but <MDC p. 35 Ra-226 (3573795) = negative result <MDC p. 36 Ra-228 (3573799) = present but <MDC Field/Equipment Blanks: p. 16 MIT-APA12-FB-01 = ND p. 18 MIT-APA12-EB-01 = ND p. 23 MIT-APA12-FB-02 = ND p. 26 MIT-APA12-EB-02 = ND	
X			**Laboratory Control Sample (LCS) recovery within lab limits (60-135%)** p. 58 Ra-228 = 75.20, 86.37% RPD = 13.83% p. 59 Ra-228 = 113.53, 111.51% RPD = 1.79% p. 60 Ra-226 = 99.23, 107.53% RPD = 8.03% p. 61 Ra-226 = 86.95, 76.95% RPD = 12.21%	
X			**Lab Duplicate - Field Duplicate precision goals met (lab limits); lab dup every 10 samples** *(RPD = RER (2σ) <3)* Constituent MIT-PZ-7D (pCi/L) MIT-APA12-FD-01 (pCi/L) RPD *Radium not detected above the MDC* Constituent MIT-PZ-25 (pCi/L) MIT-APA12-FD-02 (pCi/L) RPD/RL *Radium not detected above the MDC* *In cases where one or both results are less than the RL (ND or lab "J" values), differences between the parent sample and the duplicate were less than the RL per GP guidance and no flag is necessary other than to indicate the result is less than the RL.* Lab dups: p. 60 MIT-APA12-FD-01 Ra-226 *both results < MDC*	

YES	NO	NA		COMMENTS
		X	**Matrix Spike recoveries and RPDs within limits (if applicable)** None in this SDG	
X			**Carrier/Tracer Yield Recovery Ra-226 (Carrier: Ba);** **Ra-228 (Carrier Ba, Tracer: Y) (30-110%)** Included on results pages - OK	
X			**EDD Data Verification vs. Hardcopy (10% samples for each SDG)**. Checked all samples in this SDG - OK	

APPENDIX C
FIELD SAMPLING DATA
AUGUST 2024

Low-Flow Test Report:

Test Date / Time: 8/13/2024 1:06:00 PM
Project: Plant Mitchell
Operator Name: Ever Guillen

Location Name: MIT-PZ-1D-202408 **Latitude: 31.447339444450517** **Longitude: -84.13199597046163** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 71 ft** **Total Depth: 81 ft** **Initial Depth to Water: 51.94 ft**	**Pump Type: QED Dedicated** **Tubing Type: HDPE** **Pump Intake From TOC: 76 ft** **Estimated Total Volume Pumped: 9000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =13:55

Weather Conditions:
Hot.humid,clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
8/13/2024 1:06 PM	00:00	6.74 pH	35.53 °C	410 µS/cm	6.85 mg/L	12.30 NTU	196.8 mV	51.94 ft	200.00 ml/min
8/13/2024 1:11 PM	05:00	7.23 pH	26.44 °C	260 µS/cm	3.25 mg/L	9.61 NTU	-86.5 mV	52.47 ft	200.00 ml/min
8/13/2024 1:16 PM	10:00	7.34 pH	24.48 °C	270 µS/cm	3.26 mg/L	7.32 NTU	-4.3 mV	53.21 ft	200.00 ml/min
8/13/2024 1:21 PM	15:00	7.36 pH	27.15 °C	260 µS/cm	2.94 mg/L	6.47 NTU	34.1 mV	53.96 ft	200.00 ml/min
8/13/2024 1:26 PM	20:00	7.34 pH	28.19 °C	260 µS/cm	2.33 mg/L	5.12 NTU	34.4 mV	54.13 ft	200.00 ml/min
8/13/2024 1:31 PM	25:00	7.36 pH	27.99 °C	250 µS/cm	2.29 mg/L	3.26 NTU	-3.5 mV	54.13 ft	200.00 ml/min
8/13/2024 1:36 PM	30:00	7.41 pH	27.23 °C	270 µS/cm	2.65 mg/L	2.12 NTU	-77.9 mV	54.13 ft	200.00 ml/min
8/13/2024 1:41 PM	35:00	7.45 pH	27.03 °C	270 µS/cm	2.84 mg/L	1.38 NTU	-52.7 mV	54.13 ft	200.00 ml/min
8/13/2024 1:46 PM	40:00	7.46 pH	25.69 °C	260 µS/cm	2.72 mg/L	1.19 NTU	-101.1 mV	54.13 ft	200.00 ml/min
8/13/20240 1:51 PM	45:00	7.46 pH	25.60 °C	260 µS/cm	2.67 mg/L	1.37 NTU	-71.7 mV	54.13 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/13/2024 11:42:14 AM
Project: Plant Mitchell
Operator Name: Daniel Howard

Location Name: MIT-PZ-2D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.95 ft** **Total Depth: 80.95 ft** **Initial Depth to Water: 35.48 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 75.95 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1224.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/13/2024 11:42 AM	00:00	7.86 pH	22.49 °C	129.05 µS/cm	1.73 mg/L	0.47 NTU	106.6 mV	35.48 ft	200.00 ml/min
8/13/2024 11:47 AM	05:00	8.16 pH	20.70 °C	124.33 µS/cm	2.47 mg/L	0.50 NTU	90.8 mV	35.61 ft	200.00 ml/min
8/13/2024 11:52 AM	10:00	8.71 pH	20.48 °C	120.06 µS/cm	2.70 mg/L	0.81 NTU	81.6 mV	35.61 ft	200.00 ml/min
8/13/2024 11:57 AM	15:00	8.96 pH	20.39 °C	119.66 µS/cm	2.72 mg/L	0.76 NTU	76.3 mV	35.61 ft	200.00 ml/min
8/13/2024 12:02 PM	20:00	9.08 pH	20.39 °C	119.74 µS/cm	2.71 mg/L	0.74 NTU	72.8 mV	35.61 ft	200.00 ml/min
8/13/2024 12:07 PM	25:00	9.15 pH	20.34 °C	119.75 µS/cm	2.73 mg/L	0.88 NTU	71.0 mV	35.61 ft	200.00 ml/min
8/13/2024 12:12 PM	30:00	9.19 pH	20.35 °C	119.38 µS/cm	2.76 mg/L	0.85 NTU	86.6 mV	35.61 ft	200.00 ml/min
8/13/2024 12:17 PM	35:00	9.20 pH	20.37 °C	119.41 µS/cm	2.77 mg/L	1.14 NTU	87.0 mV	35.64 ft	200.00 ml/min
8/13/2024 12:22 PM	40:00	9.20 pH	20.33 °C	119.55 µS/cm	2.79 mg/L	0.89 NTU	86.8 mV	35.64 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-2D	

Low-Flow Test Report:

Test Date / Time: 8/15/2024 1:17:26 PM
Project: Plant Mitchell (8)
Operator Name: Daniel Howard

Location Name: MIT-PZ-7D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50.37 ft** **Total Depth: 60.37 ft** **Initial Depth to Water: 35.39 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 55.37 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1344.

Weather Conditions:
Sunny, hot and humid.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/15/2024 1:17 PM	00:00	7.11 pH	23.46 °C	520.02 µS/cm	1.82 mg/L	5.24 NTU	133.2 mV	35.39 ft	200.00 ml/min
8/15/2024 1:22 PM	05:00	7.07 pH	23.22 °C	525.81 µS/cm	1.60 mg/L	2.83 NTU	134.3 mV	35.49 ft	200.00 ml/min
8/15/2024 1:27 PM	10:00	7.06 pH	23.25 °C	528.21 µS/cm	1.58 mg/L	1.77 NTU	133.3 mV	35.49 ft	200.00 ml/min
8/15/2024 1:32 PM	15:00	7.05 pH	23.34 °C	528.49 µS/cm	1.53 mg/L	1.25 NTU	136.0 mV	35.49 ft	200.00 ml/min
8/15/2024 1:37 PM	20:00	7.05 pH	23.57 °C	528.11 µS/cm	1.51 mg/L	0.86 NTU	133.8 mV	35.49 ft	200.00 ml/min
8/15/2024 1:42 PM	25:00	7.05 pH	23.33 °C	526.09 µS/cm	1.50 mg/L	0.62 NTU	135.4 mV	35.49 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-7D	

Low-Flow Test Report:

Test Date / Time: 8/14/2024 11:37:50 AM
Project: Plant Mitchell
Operator Name: Ever Guillen

Location Name: **MIT-PZ-14-WG-202408** **Latitude: 31.43567481081135** **Longitude: -84.13849697456149** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 44.32 ft**	**Pump Type: QED** **Tubing Type: HDPE** **Pump Intake From TOC: 47.6 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.39 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1210

Weather Conditions:
Hot, humid, clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 11:37 AM	00:00	7.49 pH	31.77 °C	380 µS/cm	8.91 mg/L	6.88 NTU	126.3 mV	44.43 ft	200.00 ml/min
8/14/2024 11:42 AM	05:00	7.16 pH	25.71 °C	460 µS/cm	9.19 mg/L	6.67 NTU	88.0 mV	44.58 ft	200.00 ml/min
8/14/2024 11:47 AM	10:00	7.14 pH	25.23 °C	470 µS/cm	8.85 mg/L	5.91 NTU	106.5 mV	44.71 ft	200.00 ml/min
8/14/2024 11:52 AM	15:00	7.13 pH	25.68 °C	470 µS/cm	8.40 mg/L	4.01 NTU	106.9 mV	44.71 ft	200.00 ml/min
8/14/2024 11:57 AM	20:00	7.12 pH	25.39 °C	470 µS/cm	8.16 mg/L	2.87 NTU	106.1 mV	44.71 ft	200.00 ml/min
8/14/2024 12:02 PM	25:00	7.12 pH	25.47 °C	470 µS/cm	8.43 mg/L	2.11 NTU	105.7 mV	44.71 ft	200.00 ml/min
8/14/2024 12:07 PM	30:00	7.11 pH	25.59 °C	480 µS/cm	8.48 mg/L	1.52 NTU	81.6 mV	44.71 ft	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 8/14/2024 2:27:26 PM
Project: Plant Mitchell (6)
Operator Name: Daniel Howard

Location Name: MIT-PZ-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 73 ft** **Total Depth: 83 ft** **Initial Depth to Water: 33.02 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 78 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1454

Weather Conditions:
Sunny, hot and humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 2:27 PM	00:00	7.13 pH	25.64 °C	528.16 µS/cm	1.24 mg/L	4.91 NTU	-36.0 mV	33.02 ft	200.00 ml/min
8/14/2024 2:32 PM	05:00	7.11 pH	24.59 °C	531.95 µS/cm	0.93 mg/L	4.08 NTU	-45.8 mV	33.24 ft	200.00 ml/min
8/14/2024 2:37 PM	10:00	7.11 pH	24.63 °C	534.84 µS/cm	0.80 mg/L	1.62 NTU	-70.7 mV	33.24 ft	200.00 ml/min
8/14/2024 2:42 PM	15:00	7.11 pH	24.52 °C	531.96 µS/cm	0.60 mg/L	1.50 NTU	-70.6 mV	33.24 ft	200.00 ml/min
8/14/2024 2:47 PM	20:00	7.12 pH	24.65 °C	530.92 µS/cm	0.45 mg/L	0.98 NTU	-71.9 mV	33.24 ft	200.00 ml/min
8/14/2024 2:52 PM	25:00	7.11 pH	24.57 °C	531.25 µS/cm	0.41 mg/L	0.48 NTU	-72.3 mV	33.24 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-15	

Low-Flow Test Report:

Test Date / Time: 8/14/2024 10:00:47 AM
Project: Plant Mitchell (3)
Operator Name: Ever Guillen

Location Name: **MIT-PZ-16-WG-202408** **Latitude: 31.435671206592986** **Longitude: -84.13849228069571** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.7 ft** **Total Depth: 52.7 ft** **Initial Depth to Water: 35.08 ft**	**Pump Type: QED Dedicated** **Tubing Type: HDPE** **Pump Intake From TOC: 47.7 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1035

Weather Conditions:
Hot, humid,clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 10:00 AM	00:00	7.48 pH	28.66 °C	430 µS/cm	6.69 mg/L	5.11 NTU	169.4 mV	35.24 ft	200.00 ml/min
8/14/2024 10:05 AM	05:00	7.18 pH	24.66 °C	480 µS/cm	2.60 mg/L	3.67 NTU	110.8 mV	35.24 ft	200.00 ml/min
8/14/2024 10:10 AM	10:00	7.15 pH	24.06 °C	490 µS/cm	2.00 mg/L	2.53 NTU	89.6 mV	35.24 ft	200.00 ml/min
8/14/2024 10:15 AM	15:00	7.16 pH	23.87 °C	490 µS/cm	1.92 mg/L	1.51 NTU	81.9 mV	35.24 ft	200.00 ml/min
8/14/2024 10:20 AM	20:00	7.15 pH	23.99 °C	490 µS/cm	1.92 mg/L	1.14 NTU	80.0 mV	35.24 ft	200.00 ml/min
8/14/2024 10:25 AM	25:00	7.15 pH	24.20 °C	490 µS/cm	1.91 mg/L	0.86 NTU	77.3 mV	35.24 ft	200.00 ml/min
8/14/2024 10:30 AM	30:00	7.15 pH	24.09 °C	490 µS/cm	1.91 mg/L	0.51 NTU	96.2 mV	35.24 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/15/2024 10:01:34 AM
Project: Plant Mitchell
Operator Name: Ever Guillen

Location Name: **MIT-PZ-17-WG-202408** **Latitude: 31.43567481081135** **Longitude: -84.13849697456149** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.8 ft** **Total Depth: 62.8 ft** **Initial Depth to Water: 34.47 ft**	**Pump Type: QED** **Tubing Type: HDPE** **Pump Intake From TOC: 57.8 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1050

Weather Conditions:
Hot, humid, clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/15/2024 10:01 AM	00:00	7.49 pH	28.97 °C	420 µS/cm	7.57 mg/L	5.52 NTU	168.6 mV	34.59 ft	200.00 ml/min
8/15/2024 10:06 AM	05:00	7.35 pH	23.92 °C	360 µS/cm	0.56 mg/L	4.17 NTU	-2.9 mV	34.74 ft	200.00 ml/min
8/15/2024 10:11 AM	10:00	7.35 pH	23.74 °C	360 µS/cm	0.17 mg/L	3.64 NTU	20.7 mV	34.74 ft	200.00 ml/min
8/15/2024 10:16 AM	15:00	7.36 pH	23.74 °C	360 µS/cm	0.11 mg/L	2.86 NTU	21.0 mV	34.74 ft	200.00 ml/min
8/15/2024 10:21 AM	20:00	7.35 pH	23.79 °C	360 µS/cm	0.10 mg/L	1.62 NTU	19.1 mV	34.74 ft	200.00 ml/min
8/15/2024 10:26 AM	25:00	7.35 pH	23.83 °C	360 µS/cm	0.10 mg/L	1.53 NTU	17.3 mV	34.74 ft	200.00 ml/min
8/15/2024 10:31 AM	30:00	7.36 pH	23.56 °C	360 µS/cm	0.10 mg/L	0.98 NTU	14.5 mV	34.74 ft	200.00 ml/min
8/15/2024 10:36 AM	35:00	7.35 pH	23.75 °C	360 µS/cm	0.10 mg/L	0.76 NTU	11.1 mV	34.74 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/14/2024 2:20:38 PM
Project: Plant Mitchell
Operator Name: Ever Guillen

Location Name: **MIT-PZ-18-WG-202408** **Latitude: 31.43567481081135** **Longitude: -84.13849697456149** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.8 ft** **Total Depth: 62.8 ft** **Initial Depth to Water: 31.83 ft**	**Pump Type: QED** **Tubing Type: HDPE** **Pump Intake From TOC: 57.8 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1500

Weather Conditions:
Hot, humid, clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 2:20 PM	00:00	7.92 pH	37.39 °C	420 µS/cm	7.62 mg/L	4.61 NTU	88.2 mV	31.83 ft	200.00 ml/min
8/14/2024 2:25 PM	05:00	6.96 pH	27.27 °C	680 µS/cm	1.15 mg/L	4.03 NTU	48.5 mV	32.11 ft	200.00 ml/min
8/14/2024 2:30 PM	10:00	6.92 pH	25.69 °C	690 µS/cm	0.33 mg/L	2.37 NTU	56.9 mV	32.11 ft	200.00 ml/min
8/14/2024 2:35 PM	15:00	6.92 pH	26.62 °C	690 µS/cm	0.19 mg/L	1.76 NTU	48.4 mV	32.11 ft	200.00 ml/min
8/14/2024 2:40 PM	20:00	6.92 pH	26.97 °C	690 µS/cm	0.17 mg/L	1.07 NTU	47.0 mV	32.11 ft	200.00 ml/min
8/14/2024 2:45 PM	25:00	6.91 pH	26.50 °C	690 µS/cm	0.15 mg/L	0.69 NTU	45.8 mV	32.11 ft	200.00 ml/min
8/14/2024 2:50 PM	30:00	6.91 pH	26.33 °C	690 µS/cm	0.15 mg/L	0.87 NTU	45.0 mV	32.11 ft	200.00 ml/min
8/14/2024 2:55 PM	35:00	6.92 pH	24.93 °C	690 µS/cm	0.14 mg/L	0.48 NTU	44.4 mV	32.11 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/14/2024 12:40:07 PM
Project: Plant Mitchell (5)
Operator Name: Daniel Howard

Location Name: MIT-PZ-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.63 ft** **Total Depth: 62.63 ft** **Initial Depth to Water: 33.35 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 57.63 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1312.

Weather Conditions:
Sunny, hot and humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 12:40 PM	00:00	6.95 pH	24.90 °C	653.51 µS/cm	2.71 mg/L	0.45 NTU	167.6 mV	33.35 ft	200.00 ml/min
8/14/2024 12:45 PM	05:00	6.92 pH	24.15 °C	659.63 µS/cm	2.18 mg/L	0.85 NTU	156.8 mV	33.40 ft	200.00 ml/min
8/14/2024 12:50 PM	10:00	6.91 pH	23.97 °C	661.52 µS/cm	1.92 mg/L	0.68 NTU	193.3 mV	33.43 ft	200.00 ml/min
8/14/2024 12:55 PM	15:00	6.91 pH	23.79 °C	662.28 µS/cm	1.73 mg/L	0.62 NTU	189.7 mV	33.43 ft	200.00 ml/min
8/14/2024 1:00 PM	20:00	6.90 pH	23.86 °C	659.34 µS/cm	1.61 mg/L	0.36 NTU	186.9 mV	33.43 ft	200.00 ml/min
8/14/2024 1:05 PM	25:00	6.90 pH	23.75 °C	661.92 µS/cm	1.53 mg/L	0.30 NTU	184.6 mV	33.43 ft	200.00 ml/min
8/14/2024 1:10 PM	30:00	6.90 pH	23.91 °C	659.79 µS/cm	1.45 mg/L	0.21 NTU	183.2 mV	33.43 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-19	

Low-Flow Test Report:

Test Date / Time: 8/14/2024 12:40:07 PM
Project: Plant Mitchell (5)
Operator Name: Daniel Howard

Location Name: MIT-PZ-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.63 ft** **Total Depth: 62.63 ft** **Initial Depth to Water: 33.35 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 57.63 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1312.

Weather Conditions:
Sunny, hot and humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 12:40 PM	00:00	6.95 pH	24.90 °C	653.51 µS/cm	2.71 mg/L	0.45 NTU	167.6 mV	33.35 ft	200.00 ml/min
8/14/2024 12:45 PM	05:00	6.92 pH	24.15 °C	659.63 µS/cm	2.18 mg/L	0.85 NTU	156.8 mV	33.40 ft	200.00 ml/min
8/14/2024 12:50 PM	10:00	6.91 pH	23.97 °C	661.52 µS/cm	1.92 mg/L	0.68 NTU	193.3 mV	33.43 ft	200.00 ml/min
8/14/2024 12:55 PM	15:00	6.91 pH	23.79 °C	662.28 µS/cm	1.73 mg/L	0.62 NTU	189.7 mV	33.43 ft	200.00 ml/min
8/14/2024 1:00 PM	20:00	6.90 pH	23.86 °C	659.34 µS/cm	1.61 mg/L	0.36 NTU	186.9 mV	33.43 ft	200.00 ml/min
8/14/2024 1:05 PM	25:00	6.90 pH	23.75 °C	661.92 µS/cm	1.53 mg/L	0.30 NTU	184.6 mV	33.43 ft	200.00 ml/min
8/14/2024 1:10 PM	30:00	6.90 pH	23.91 °C	659.79 µS/cm	1.45 mg/L	0.21 NTU	183.2 mV	33.43 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-19	

Low-Flow Test Report:

Test Date / Time: 8/14/2024 10:30:32 AM
Project: Plant Mitchell (4)
Operator Name: Daniel Howard

Location Name: MIT-PZ-23A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.21 ft** **Total Depth: 67.21 ft** **Initial Depth to Water: 50.64 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 62.21 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1102.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/14/2024 10:30 AM	00:00	6.79 pH	24.10 °C	725.52 µS/cm	2.54 mg/L	5.22 NTU	206.8 mV	50.64 ft	150.00 ml/min
8/14/2024 10:35 AM	05:00	6.77 pH	23.79 °C	725.30 µS/cm	2.33 mg/L	3.49 NTU	190.9 mV	51.04 ft	150.00 ml/min
8/14/2024 10:40 AM	10:00	6.77 pH	23.93 °C	723.74 µS/cm	2.25 mg/L	2.35 NTU	185.7 mV	51.04 ft	150.00 ml/min
8/14/2024 10:45 AM	15:00	6.76 pH	23.86 °C	722.39 µS/cm	2.21 mg/L	1.55 NTU	236.9 mV	51.04 ft	150.00 ml/min
8/14/2024 10:50 AM	20:00	6.76 pH	23.90 °C	721.95 µS/cm	2.17 mg/L	1.40 NTU	183.1 mV	51.04 ft	150.00 ml/min
8/14/2024 10:55 AM	25:00	6.75 pH	24.00 °C	722.79 µS/cm	2.17 mg/L	1.11 NTU	234.7 mV	51.04 ft	150.00 ml/min
8/14/2024 11:00 AM	30:00	6.75 pH	24.05 °C	720.00 µS/cm	2.17 mg/L	0.92 NTU	233.7 mV	51.04 ft	150.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-23A	

Low-Flow Test Report:

Test Date / Time: 8/13/2024 3:33:30 PM
Project: Plant Mitchell (3)
Operator Name: Daniel Howard

Location Name: MIT-PZ-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.19 ft** **Total Depth: 63.19 ft** **Initial Depth to Water: 32 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 58.19 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1600.

Weather Conditions:
Sunny, hot and humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/13/2024 3:33 PM	00:00	7.11 pH	25.10 °C	446.22 µS/cm	1.40 mg/L	15.30 NTU	17.2 mV	32.00 ft	200.00 ml/min
8/13/2024 3:38 PM	05:00	7.07 pH	24.39 °C	448.92 µS/cm	0.56 mg/L	8.73 NTU	-1.1 mV	32.13 ft	200.00 ml/min
8/13/2024 3:43 PM	10:00	7.06 pH	24.19 °C	456.25 µS/cm	0.33 mg/L	3.93 NTU	-10.9 mV	32.13 ft	200.00 ml/min
8/13/2024 3:48 PM	15:00	7.06 pH	24.15 °C	455.33 µS/cm	0.26 mg/L	2.25 NTU	-7.1 mV	32.13 ft	200.00 ml/min
8/13/2024 3:53 PM	20:00	7.05 pH	24.18 °C	456.02 µS/cm	0.22 mg/L	1.95 NTU	-11.5 mV	32.13 ft	200.00 ml/min
8/13/2024 3:58 PM	25:00	7.06 pH	24.13 °C	455.97 µS/cm	0.20 mg/L	1.06 NTU	-14.1 mV	32.13 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-25	

Low-Flow Test Report:

Test Date / Time: 8/13/2024 2:51:58 PM
Project: Plant Mitchell (2)
Operator Name: Ever Guillen

Location Name: MIT-PZ-31-202408 **Latitude: 31.449047634407364** **Longitude: -84.13367846988527** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.6 ft** **Total Depth: 59.6 ft** **Initial Depth to Water: 38.83 ft**	**Pump Type: QED Dedicated** **Tubing Type: HDPE** **Pump Intake From TOC: 54.6 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.45 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1535

Weather Conditions:
Hot,humid,clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/13/2024 2:51 PM	00:00	7.60 pH	32.40 °C	410 µS/cm	6.91 mg/L	8.30 NTU	109.5 mV	38.96 ft	200.00 ml/min
8/13/2024 2:56 PM	05:00	7.13 pH	24.87 °C	470 µS/cm	5.06 mg/L	7.63 NTU	102.4 mV	39.41 ft	200.00 ml/min
8/13/20240 3:01 PM	10:00	7.12 pH	24.15 °C	470 µS/cm	4.75 mg/L	6.10 NTU	72.1 mV	39.41 ft	200.00 ml/min
8/13/2024 3:06 PM	15:00	7.12 pH	23.88 °C	470 µS/cm	4.70 mg/L	4.67 NTU	88.4 mV	39.41 ft	200.00 ml/min
8/13/2024 3:11 PM	20:00	7.12 pH	23.75 °C	470 µS/cm	4.69 mg/L	3.82 NTU	70.0 mV	39.41 ft	200.00 ml/min
8/13/2024 3:16 PM	25:00	7.12 pH	23.72 °C	470 µS/cm	4.68 mg/L	1.93 NTU	88.2 mV	39.41 ft	200.00 ml/min
8/13/2024 3:21 PM	30:00	7.11 pH	23.47 °C	470 µS/cm	4.68 mg/L	1.03 NTU	90.8 mV	39.41 ft	200.00 ml/min
8/13/2024 3:26 PM	35:00	7.12 pH	23.63 °C	470 µS/cm	4.71 mg/L	1.26 NTU	70.4 mV	39.41 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/13/2024 1:52:22 PM
Project: Plant Mitchell (2)
Operator Name: Daniel Howard

Location Name: MIT-PZ-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 55.3 ft** **Total Depth: 65.3 ft** **Initial Depth to Water: 37.35 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 60.3 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1429.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/13/2024 1:52 PM	00:00	7.29 pH	21.86 °C	329.41 µS/cm	3.24 mg/L	0.92 NTU	109.7 mV	37.35 ft	200.00 ml/min
8/13/2024 1:57 PM	05:00	7.32 pH	21.04 °C	330.94 µS/cm	2.86 mg/L	0.71 NTU	117.6 mV	37.43 ft	200.00 ml/min
8/13/2024 2:02 PM	10:00	7.32 pH	20.97 °C	330.91 µS/cm	2.66 mg/L	0.74 NTU	151.1 mV	37.43 ft	200.00 ml/min
8/13/2024 2:07 PM	15:00	7.33 pH	20.96 °C	334.78 µS/cm	2.41 mg/L	0.68 NTU	150.2 mV	37.43 ft	200.00 ml/min
8/13/2024 2:12 PM	20:00	7.33 pH	20.91 °C	334.70 µS/cm	2.27 mg/L	0.56 NTU	149.3 mV	37.43 ft	200.00 ml/min
8/13/2024 2:17 PM	25:00	7.33 pH	20.87 °C	333.40 µS/cm	2.16 mg/L	0.42 NTU	148.2 mV	37.43 ft	200.00 ml/min
8/13/2024 2:22 PM	30:00	7.34 pH	20.95 °C	333.19 µS/cm	2.09 mg/L	0.20 NTU	148.1 mV	37.44 ft	200.00 ml/min
8/13/2024 2:27 PM	35:00	7.33 pH	20.91 °C	333.18 µS/cm	2.05 mg/L	0.20 NTU	148.7 mV	37.44 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-32	

Low-Flow Test Report:

Test Date / Time: 8/15/2024 1:20:28 PM
Project: Plant Mitchell
Operator Name: Ever Guillen

Location Name: **MIT-PZ-33-WG-202408** **Latitude: 31.435678415029713** **Longitude: -84.13850108169405** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 62.9 ft** **Total Depth: 72.9 ft** **Initial Depth to Water: 50.63 ft**	**Pump Type: QED** **Tubing Type: HDPE** **Pump Intake From TOC: 67.9 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Sample time =1400

Weather Conditions:
Hot, humid, clear

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/15/2024 1:20 PM	00:00	7.55 pH	27.73 °C	370 µS/cm	5.25 mg/L	5.95 NTU	103.8 mV	50.74 ft	200.00 ml/min
8/15/2024 1:25 PM	05:00	7.11 pH	28.07 °C	510 µS/cm	3.03 mg/L	5.15 NTU	3.8 mV	50.85 ft	200.00 ml/min
8/15/2024 1:30 PM	10:00	7.07 pH	27.00 °C	520 µS/cm	0.93 mg/L	3.92 NTU	38.4 mV	50.85 ft	200.00 ml/min
8/15/2024 1:35 PM	15:00	7.06 pH	27.14 °C	520 µS/cm	0.52 mg/L	3.02 NTU	49.5 mV	50.85 ft	200.00 ml/min
8/15/2024 1:40 PM	20:00	7.07 pH	25.81 °C	520 µS/cm	0.26 mg/L	2.32 NTU	43.7 mV	50.85 ft	200.00 ml/min
8/15/2024 1:45 PM	25:00	7.07 pH	26.20 °C	520 µS/cm	0.20 mg/L	1.48 NTU	42.0 mV	50.85 ft	200.00 ml/min
8/15/2024 1:50 PM	30:00	7.07 pH	26.51 °C	520 µS/cm	0.18 mg/L	0.92 NTU	42.0 mV	50.85 ft	200.00 ml/min
8/15/2024 1:55 PM	35:00	7.07 pH	26.83 °C	520 µS/cm	0.18 mg/L	0.61 NTU	41.6 mV	50.85 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/15/2024 10:37:44 AM
Project: Plant Mitchell (7)
Operator Name: Daniel Howard

Location Name: MIT-PZ-57 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 63.39 ft** **Total Depth: 73.39 ft** **Initial Depth to Water: 31.38 ft**	**Pump Type: QED Bladder Pump** **Tubing Type: HDPE** **Pump Intake From TOC: 68.39 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 883553**

Test Notes:
Sample time 1114. Also collected dup MIT-APA12-FD-02.

Weather Conditions:
Sunny, hot and humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
8/15/2024 10:37 AM	00:00	7.22 pH	25.80 °C	516.87 µS/cm	2.73 mg/L	11.60 NTU	162.6 mV	31.38 ft	200.00 ml/min
8/15/2024 10:42 AM	05:00	7.12 pH	24.02 °C	533.14 µS/cm	2.41 mg/L	8.53 NTU	160.0 mV	31.78 ft	200.00 ml/min
8/15/2024 10:47 AM	10:00	7.11 pH	24.06 °C	532.00 µS/cm	2.05 mg/L	4.18 NTU	204.1 mV	31.78 ft	200.00 ml/min
8/15/2024 10:52 AM	15:00	7.10 pH	24.17 °C	532.00 µS/cm	1.83 mg/L	1.93 NTU	203.7 mV	31.78 ft	200.00 ml/min
8/15/2024 10:57 AM	20:00	7.10 pH	24.10 °C	532.24 µS/cm	1.62 mg/L	1.45 NTU	202.0 mV	31.78 ft	200.00 ml/min
8/15/2024 11:02 AM	25:00	7.10 pH	24.06 °C	533.81 µS/cm	1.48 mg/L	1.28 NTU	200.3 mV	31.78 ft	200.00 ml/min
8/15/2024 11:07 AM	30:00	7.10 pH	24.01 °C	532.05 µS/cm	1.42 mg/L	1.11 NTU	199.8 mV	31.78 ft	200.00 ml/min
8/15/2024 11:12 AM	35:00	7.10 pH	23.76 °C	534.08 µS/cm	1.35 mg/L	0.49 NTU	198.3 mV	31.78 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-57	

APPENDIX C
FIELD SAMPLING DATA
MARCH 2025

Low-Flow Test Report:

Test Date / Time: 3/11/2025 1:34:45 PM
Project: Plant Mitchell (2)
Operator Name: Ever Guillen

Location Name: MIT-PZ-1D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 71 ft** **Total Depth: 81 ft** **Initial Depth to Water: 50.31 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 76 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time = 1430

Weather Conditions:
Cold,clear, humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/11/2025 1:34 PM	00:00	7.31 pH	23.22 °C	263.73 µS/cm	7.99 mg/L	15.70 NTU	164.8 mV	50.79 ft	200.00 ml/min
3/11/2025 1:39 PM	05:00	7.12 pH	22.95 °C	268.83 µS/cm	2.04 mg/L	12.90 NTU	-90.8 mV	51.31 ft	200.00 ml/min
3/11/2025 1:44 PM	10:00	7.23 pH	24.27 °C	276.39 µS/cm	1.29 mg/L	10.20 NTU	-142.8 mV	51.44 ft	200.00 ml/min
3/11/2025 1:49 PM	15:00	7.25 pH	24.55 °C	289.65 µS/cm	1.43 mg/L	8.51 NTU	-137.0 mV	51.44 ft	200.00 ml/min
3/11/2025 1:54 PM	20:00	7.28 pH	24.83 °C	278.70 µS/cm	1.81 mg/L	5.89 NTU	-128.5 mV	51.44 ft	200.00 ml/min
3/11/2025 1:59 PM	25:00	7.30 pH	25.10 °C	272.72 µS/cm	1.99 mg/L	3.26 NTU	-121.0 mV	51.44 ft	200.00 ml/min
3/11/2025 2:04 PM	30:00	7.36 pH	23.36 °C	262.87 µS/cm	0.88 mg/L	2.18 NTU	-93.0 mV	51.44 ft	200.00 ml/min
3/11/2025 2:09 PM	35:00	7.35 pH	22.65 °C	258.78 µS/cm	0.78 mg/L	1.62 NTU	-97.8 mV	51.44 ft	200.00 ml/min
3/11/2025 2:14 PM	40:00	7.38 pH	22.68 °C	254.42 µS/cm	1.02 mg/L	1.07 NTU	-86.7 mV	51.44 ft	200.00 ml/min
3/11/2025 2:19 PM	45:00	7.41 pH	22.72 °C	258.08 µS/cm	1.10 mg/L	0.88 NTU	-86.2 mV	51.44 ft	200.00 ml/min
3/11/2025 2:24 PM	50:00	7.42 pH	22.46 °C	253.26 µS/cm	1.24 mg/L	1.17 NTU	-60.8 mV	51.44 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/11/2025 2:37:43 PM
Project: Plant Mitchell CCR
Operator Name: Daniel Howard

Location Name: MIT-PZ-2D **Latitude: 31.446445891662915** **Longitude: -84.12952280611184** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.95 ft** **Total Depth: 80.95 ft** **Initial Depth to Water: 33.68 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 75.95 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time1514.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/11/2025 2:37 PM	00:00	7.28 pH	20.11 °C	152.04 µS/cm	1.20 mg/L	0.67 NTU	49.1 mV	33.68 ft	200.00 ml/min
3/11/2025 2:42 PM	05:00	7.89 pH	19.74 °C	155.27 µS/cm	1.29 mg/L	1.76 NTU	134.4 mV	33.77 ft	200.00 ml/min
3/11/2025 2:47 PM	10:00	7.95 pH	19.63 °C	155.87 µS/cm	1.87 mg/L	1.65 NTU	157.3 mV	33.77 ft	200.00 ml/min
3/11/2025 2:52 PM	15:00	8.01 pH	19.60 °C	155.33 µS/cm	2.30 mg/L	0.38 NTU	165.3 mV	33.77 ft	200.00 ml/min
3/11/2025 2:57 PM	20:00	8.06 pH	19.72 °C	154.90 µS/cm	2.56 mg/L	0.35 NTU	168.0 mV	33.77 ft	200.00 ml/min
3/11/2025 3:02 PM	25:00	8.12 pH	19.72 °C	154.49 µS/cm	2.73 mg/L	0.35 NTU	168.8 mV	33.77 ft	200.00 ml/min
3/11/2025 3:07 PM	30:00	8.16 pH	19.74 °C	154.72 µS/cm	2.87 mg/L	0.76 NTU	169.9 mV	33.77 ft	200.00 ml/min
3/11/2025 3:12 PM	35:00	8.20 pH	19.88 °C	154.08 µS/cm	2.95 mg/L	0.51 NTU	250.5 mV	33.77 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-2D	

Low-Flow Test Report:

Test Date / Time: 3/13/2025 9:28:31 AM
Project: Plant Mitchell (8)
Operator Name: Ever Guillen

Location Name: MIT-PZ-7D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50.37 ft** **Total Depth: 60.37 ft** **Initial Depth to Water: 31.61 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 55.37 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1005

Weather Conditions:
Cold,cloudy,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/13/2025 9:28 AM	00:00	7.18 pH	18.42 °C	545.24 µS/cm	1.70 mg/L	7.32 NTU	163.0 mV	31.61 ft	200.00 ml/min
3/13/2025 9:33 AM	05:00	7.11 pH	19.83 °C	547.32 µS/cm	0.94 mg/L	3.79 NTU	101.8 mV	31.92 ft	200.00 ml/min
3/13/2025 9:38 AM	10:00	7.11 pH	19.93 °C	531.58 µS/cm	1.08 mg/L	1.77 NTU	62.5 mV	31.92 ft	200.00 ml/min
3/13/2025 9:43 AM	15:00	7.09 pH	20.03 °C	518.85 µS/cm	1.05 mg/L	1.17 NTU	52.0 mV	31.92 ft	200.00 ml/min
3/13/2025 9:48 AM	20:00	7.10 pH	20.11 °C	534.22 µS/cm	1.06 mg/L	0.85 NTU	45.9 mV	31.92 ft	200.00 ml/min
3/13/2025 9:53 AM	25:00	7.11 pH	20.17 °C	520.79 µS/cm	1.07 mg/L	0.42 NTU	61.6 mV	31.92 ft	200.00 ml/min
3/13/2025 9:58 AM	30:00	7.12 pH	20.28 °C	523.46 µS/cm	1.07 mg/L	0.46 NTU	60.7 mV	31.92 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/12/2025 11:56:55 AM
Project: Plant Mitchell (3)
Operator Name: Ever Guillen

Location Name: MIT-PZ-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 41.67 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 47.7 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.69 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1233

Weather Conditions:
Cold,clear,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/12/2025 11:56 AM	00:00	7.23 pH	20.63 °C	587.64 µS/cm	6.25 mg/L	16.50 NTU	95.1 mV	41.67 ft	200.00 ml/min
3/12/2025 12:01 PM	05:00	7.13 pH	20.81 °C	554.68 µS/cm	6.06 mg/L	12.40 NTU	92.9 mV	42.06 ft	200.00 ml/min
3/12/2025 12:06 PM	10:00	7.11 pH	20.96 °C	515.96 µS/cm	6.10 mg/L	8.51 NTU	94.3 mV	42.36 ft	200.00 ml/min
3/12/2025 12:11 PM	15:00	7.11 pH	20.99 °C	520.61 µS/cm	6.04 mg/L	5.34 NTU	96.2 mV	42.36 ft	200.00 ml/min
3/12/2025 12:16 PM	20:00	7.11 pH	21.07 °C	522.87 µS/cm	6.04 mg/L	3.16 NTU	96.3 mV	42.36 ft	200.00 ml/min
3/12/2025 12:21 PM	25:00	7.11 pH	21.21 °C	528.69 µS/cm	6.02 mg/L	1.42 NTU	98.2 mV	42.36 ft	200.00 ml/min
3/12/2025 12:26 PM	30:00	7.11 pH	21.11 °C	560.89 µS/cm	6.03 mg/L	0.74 NTU	99.8 mV	42.36 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/13/2025 12:27:19 PM
Project: Plant Mitchell CCR (6)
Operator Name: Daniel Howard

Location Name: MIT-PZ-15 **Latitude: 31.437650509207916** **Longitude: -84.13614534780768** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 73 ft** **Total Depth: 83 ft** **Initial Depth to Water: 28.75 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 78 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1254.

Weather Conditions:
Partly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/13/2025 12:27 PM	00:00	7.17 pH	22.52 °C	537.11 µS/cm	1.16 mg/L	4.61 NTU	-131.8 mV	28.75 ft	200.00 ml/min
3/13/2025 12:32 PM	05:00	7.16 pH	22.44 °C	540.67 µS/cm	0.16 mg/L	2.03 NTU	-129.0 mV	28.77 ft	200.00 ml/min
3/13/2025 12:37 PM	10:00	7.16 pH	22.81 °C	540.88 µS/cm	0.15 mg/L	0.80 NTU	-164.8 mV	28.77 ft	200.00 ml/min
3/13/2025 12:42 PM	15:00	7.16 pH	22.82 °C	541.78 µS/cm	0.14 mg/L	0.73 NTU	-108.8 mV	28.77 ft	200.00 ml/min
3/13/2025 12:47 PM	20:00	7.16 pH	23.27 °C	539.88 µS/cm	0.13 mg/L	0.49 NTU	-100.9 mV	28.77 ft	200.00 ml/min
3/13/2025 12:52 PM	25:00	7.16 pH	23.08 °C	541.91 µS/cm	0.14 mg/L	0.58 NTU	-90.7 mV	28.77 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-15	

Low-Flow Test Report:

Test Date / Time: 3/12/2025 9:53:18 AM
Project: Plant Mitchell (4)
Operator Name: Ever Guillen

Location Name: MIT-PZ-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.7 ft** **Total Depth: 52.7 ft** **Initial Depth to Water: 32.18 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 47.7 ft** **Estimated Total Volume Pumped: 8876.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1040

Weather Conditions:
Cold,clear,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/12/2025 9:53 AM	00:00	7.16 pH	19.78 °C	606.23 µS/cm	2.02 mg/L	8.65 NTU	137.3 mV	32.18 ft	200.00 ml/min
3/12/2025 9:58 AM	05:00	7.16 pH	19.88 °C	532.54 µS/cm	1.94 mg/L	5.31 NTU	103.3 mV	32.38 ft	200.00 ml/min
3/12/2025 10:03 AM	10:00	7.16 pH	19.93 °C	535.12 µS/cm	1.93 mg/L	2.07 NTU	92.9 mV	32.38 ft	200.00 ml/min
3/12/2025 10:08 AM	15:00	7.15 pH	20.05 °C	577.70 µS/cm	1.94 mg/L	0.96 NTU	89.8 mV	32.38 ft	200.00 ml/min
3/12/2025 10:12 AM	19:23	7.17 pH	19.99 °C	612.63 µS/cm	1.94 mg/L	0.65 NTU	88.7 mV	32.38 ft	200.00 ml/min
3/12/2025 10:17 AM	24:23	7.16 pH	20.10 °C	514.38 µS/cm	1.95 mg/L	0.17 NTU	106.9 mV	32.38 ft	200.00 ml/min
3/12/2025 10:22 AM	29:23	7.16 pH	20.18 °C	546.97 µS/cm	1.95 mg/L	0.22 NTU	85.5 mV	32.38 ft	200.00 ml/min
3/12/2025 10:27 AM	34:23	7.17 pH	20.22 °C	515.44 µS/cm	1.94 mg/L	0.19 NTU	105.3 mV	32.38 ft	200.00 ml/min
3/12/2025 10:32 AM	39:23	7.18 pH	20.25 °C	514.07 µS/cm	1.95 mg/L	0.16 NTU	106.8 mV	32.38 ft	200.00 ml/min
3/12/2025 10:37 AM	44:23	7.18 pH	20.27 °C	520.05 µS/cm	1.95 mg/L	0.20 NTU	83.3 mV	32.38 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/12/2025 3:10:01 PM
Project: Plant Mitchell (6)
Operator Name: Ever Guillen

Location Name: MIT-PZ-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.8 ft** **Total Depth: 62.8 ft** **Initial Depth to Water: 30.38 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 57.8 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1540

Weather Conditions:
Cold,clear,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/12/2025 3:10 PM	00:00	7.46 pH	21.68 °C	359.78 µS/cm	1.33 mg/L	2.12 NTU	-37.3 mV	30.38 ft	200.00 ml/min
3/12/2025 3:15 PM	05:00	7.42 pH	21.61 °C	362.07 µS/cm	0.25 mg/L	1.75 NTU	35.0 mV	30.63 ft	200.00 ml/min
3/12/2025 3:20 PM	10:00	7.41 pH	21.58 °C	355.92 µS/cm	0.16 mg/L	1.21 NTU	38.8 mV	30.63 ft	200.00 ml/min
3/12/2025 3:25 PM	15:00	7.40 pH	21.56 °C	362.74 µS/cm	0.15 mg/L	0.82 NTU	12.1 mV	30.63 ft	200.00 ml/min
3/12/2025 3:30 PM	20:00	7.39 pH	21.56 °C	373.86 µS/cm	0.15 mg/L	0.42 NTU	-2.9 mV	30.63 ft	200.00 ml/min
3/12/2025 3:35 PM	25:00	7.38 pH	21.48 °C	388.02 µS/cm	0.16 mg/L	0.31 NTU	-11.5 mV	30.63 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/12/2025 1:58:27 PM
Project: Plant Mitchell (5)
Operator Name: Ever Guillen

Location Name: MIT-PZ-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.8 ft** **Total Depth: 62.8 ft** **Initial Depth to Water: 27.22 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 57.8 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1430

Weather Conditions:
Cold,clear,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/12/2025 1:58 PM	00:00	7.26 pH	21.91 °C	795.26 µS/cm	2.74 mg/L	7.43 NTU	50.3 mV	27.22 ft	200.00 ml/min
3/12/2025 2:03 PM	05:00	7.02 pH	21.90 °C	751.65 µS/cm	0.42 mg/L	4.31 NTU	89.3 mV	27.51 ft	200.00 ml/min
3/12/2025 2:08 PM	10:00	7.00 pH	21.93 °C	711.69 µS/cm	0.24 mg/L	2.20 NTU	127.7 mV	27.51 ft	200.00 ml/min
3/12/2025 2:13 PM	15:00	6.98 pH	21.91 °C	713.60 µS/cm	0.21 mg/L	1.34 NTU	143.1 mV	27.51 ft	200.00 ml/min
3/12/2025 2:18 PM	20:00	6.98 pH	21.92 °C	717.72 µS/cm	0.20 mg/L	1.17 NTU	153.0 mV	27.51 ft	200.00 ml/min
3/12/2025 2:23 PM	25:00	6.97 pH	21.88 °C	720.51 µS/cm	0.19 mg/L	1.01 NTU	160.8 mV	27.51 ft	200.00 ml/min
3/12/2025 2:28 PM	30:00	6.96 pH	21.84 °C	724.11 µS/cm	0.19 mg/L	0.93 NTU	166.7 mV	27.51 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/12/2025 2:13:54 PM
Project: Plant Mitchell CCR (4)
Operator Name: Daniel Howard

Location Name: MIT-PZ-19 **Latitude: 31.44208063840069** **Longitude: -84.13621500142304** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 52.63 ft** **Total Depth: 62.63 ft** **Initial Depth to Water: 29.31 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 57.63 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1440.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/12/2025 2:13 PM	00:00	6.86 pH	23.30 °C	731.50 µS/cm	2.84 mg/L	0.29 NTU	93.4 mV	29.31 ft	200.00 ml/min
3/12/2025 2:18 PM	05:00	6.74 pH	22.64 °C	828.28 µS/cm	0.58 mg/L	0.50 NTU	150.2 mV	29.34 ft	200.00 ml/min
3/12/2025 2:23 PM	10:00	6.74 pH	22.53 °C	833.09 µS/cm	0.40 mg/L	0.76 NTU	228.1 mV	29.34 ft	200.00 ml/min
3/12/2025 2:28 PM	15:00	6.74 pH	22.54 °C	833.26 µS/cm	0.37 mg/L	0.57 NTU	169.5 mV	29.34 ft	200.00 ml/min
3/12/2025 2:33 PM	20:00	6.74 pH	22.62 °C	832.85 µS/cm	0.32 mg/L	0.39 NTU	241.9 mV	29.34 ft	200.00 ml/min
3/12/2025 2:38 PM	25:00	6.74 pH	22.58 °C	832.30 µS/cm	0.29 mg/L	0.19 NTU	176.1 mV	29.34 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-19	

Low-Flow Test Report:

Test Date / Time: 3/13/2025 2:06:01 PM
Project: Plant Mitchell CCR (7)
Operator Name: Daniel Howard

Location Name: MIT-PZ-23A **Latitude: 31.442126194044427** **Longitude: -84.13620921790985** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.21 ft** **Total Depth: 67.21 ft** **Initial Depth to Water: 49.11 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 62.21 ft** **Estimated Total Volume Pumped: 3750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1432.

Weather Conditions:
Partly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/13/2025 2:06 PM	00:00	6.80 pH	25.36 °C	695.41 µS/cm	2.42 mg/L	7.20 NTU	48.6 mV	49.11 ft	150.00 ml/min
3/13/2025 2:11 PM	05:00	6.78 pH	22.80 °C	709.25 µS/cm	2.11 mg/L	7.66 NTU	119.1 mV	49.42 ft	150.00 ml/min
3/13/2025 2:16 PM	10:00	6.78 pH	22.40 °C	685.83 µS/cm	2.01 mg/L	5.79 NTU	181.9 mV	49.42 ft	150.00 ml/min
3/13/2025 2:21 PM	15:00	6.79 pH	22.38 °C	672.57 µS/cm	1.82 mg/L	4.46 NTU	137.9 mV	49.42 ft	150.00 ml/min
3/13/2025 2:26 PM	20:00	6.79 pH	22.18 °C	670.26 µS/cm	1.75 mg/L	2.86 NTU	136.4 mV	49.42 ft	150.00 ml/min
3/13/2025 2:31 PM	25:00	6.79 pH	22.13 °C	656.67 µS/cm	1.71 mg/L	2.60 NTU	135.7 mV	49.42 ft	150.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-23A	

Low-Flow Test Report:

Test Date / Time: 3/12/2025 12:03:45 PM
Project: Plant Mitchell CCR (3)
Operator Name: Daniel Howard

Location Name: MIT-PZ-25 **Latitude: 31.442066933989004** **Longitude: -84.13615071222571** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.19 ft** **Total Depth: 63.19 ft** **Initial Depth to Water: 27.22 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 58.19 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1230. Also collected DUP MIT-APA12-FD-02.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/12/2025 12:03 PM	00:00	7.24 pH	21.55 °C	443.89 µS/cm	3.37 mg/L	2.13 NTU	24.7 mV	27.22 ft	200.00 ml/min
3/12/2025 12:08 PM	05:00	7.12 pH	21.71 °C	490.55 µS/cm	0.65 mg/L	9.28 NTU	4.7 mV	27.26 ft	200.00 ml/min
3/12/2025 12:13 PM	10:00	7.11 pH	21.95 °C	490.03 µS/cm	0.41 mg/L	5.21 NTU	-23.5 mV	27.26 ft	200.00 ml/min
3/12/2025 12:18 PM	15:00	7.12 pH	22.02 °C	488.36 µS/cm	0.44 mg/L	2.87 NTU	-21.0 mV	27.26 ft	200.00 ml/min
3/12/2025 12:23 PM	20:00	7.12 pH	22.09 °C	488.92 µS/cm	0.46 mg/L	1.64 NTU	-36.8 mV	27.26 ft	200.00 ml/min
3/12/2025 12:28 PM	25:00	7.12 pH	22.18 °C	487.05 µS/cm	0.41 mg/L	0.80 NTU	-27.0 mV	27.26 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-25	

Low-Flow Test Report:

Test Date / Time: 3/11/2025 3:22:39 PM
Project: Plant Mitchell (3)
Operator Name: Ever Guillen

Location Name: MIT-PZ-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.6 ft** **Total Depth: 59.6 ft** **Initial Depth to Water: 36.99 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 54.6 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.82 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1555

Weather Conditions:
Cold,clear,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/11/2025 3:22 PM	00:00	7.27 pH	20.54 °C	469.83 µS/cm	5.27 mg/L	19.50 NTU	72.1 mV	36.99 ft	200.00 ml/min
3/11/2025 3:27 PM	05:00	7.13 pH	20.03 °C	464.88 µS/cm	4.77 mg/L	9.21 NTU	122.0 mV	37.81 ft	200.00 ml/min
3/11/2025 3:32 PM	10:00	7.10 pH	19.94 °C	467.79 µS/cm	4.70 mg/L	6.10 NTU	129.3 mV	37.81 ft	200.00 ml/min
3/11/2025 3:37 PM	15:00	7.10 pH	19.90 °C	463.93 µS/cm	4.70 mg/L	4.61 NTU	171.3 mV	37.81 ft	200.00 ml/min
3/11/2025 3:42 PM	20:00	7.10 pH	19.82 °C	458.51 µS/cm	4.71 mg/L	2.43 NTU	176.2 mV	37.81 ft	200.00 ml/min
3/11/2025 3:47 PM	25:00	7.10 pH	19.78 °C	458.78 µS/cm	4.71 mg/L	1.35 NTU	176.9 mV	37.81 ft	200.00 ml/min
3/11/2025 3:52 PM	30:00	7.08 pH	19.65 °C	458.66 µS/cm	4.71 mg/L	0.86 NTU	176.4 mV	37.81 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/12/2025 10:14:49 AM
Project: Plant Mitchell CCR (2)
Operator Name: Daniel Howard

Location Name: MIT-PZ-32 **Latitude: 31.446445891662915** **Longitude: -84.12952280611184** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 55.3 ft** **Total Depth: 65.3 ft** **Initial Depth to Water: 35.51 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 60.3 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1036.

Weather Conditions:
Clear and sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/12/2025 10:14 AM	00:00	7.36 pH	18.26 °C	337.98 µS/cm	1.91 mg/L	1.43 NTU	168.3 mV	35.51 ft	200.00 ml/min
3/12/2025 10:19 AM	05:00	7.31 pH	18.57 °C	351.36 µS/cm	0.84 mg/L	1.89 NTU	269.7 mV	35.54 ft	200.00 ml/min
3/12/2025 10:24 AM	10:00	7.31 pH	18.70 °C	348.91 µS/cm	0.84 mg/L	0.81 NTU	197.6 mV	35.54 ft	200.00 ml/min
3/12/2025 10:29 AM	15:00	7.31 pH	18.70 °C	348.59 µS/cm	0.86 mg/L	0.76 NTU	261.7 mV	35.54 ft	200.00 ml/min
3/12/2025 10:34 AM	20:00	7.31 pH	18.70 °C	347.78 µS/cm	0.87 mg/L	0.51 NTU	194.0 mV	35.54 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-32	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/13/2025 11:31:35 AM
Project: Plant Mitchell (9)
Operator Name: Ever Guillen

Location Name: MIT-PZ-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 62.9 ft** **Total Depth: 72.9 ft** **Initial Depth to Water: 47.63 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 67.9 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.29 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Sample time is 1205

Weather Conditions:
Cold,cloudy,humid

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.5	+/- 5	+/- 10	+/- 0.3	
3/13/2025 11:31 AM	00:00	7.56 pH	21.67 °C	456.65 µS/cm	7.48 mg/L	9.32 NTU	85.7 mV	47.63 ft	200.00 ml/min
3/13/2025 11:36 AM	05:00	7.11 pH	21.79 °C	577.43 µS/cm	1.35 mg/L	5.39 NTU	66.0 mV	47.92 ft	200.00 ml/min
3/13/2025 11:41 AM	10:00	7.07 pH	21.36 °C	558.17 µS/cm	0.44 mg/L	3.28 NTU	103.9 mV	47.92 ft	200.00 ml/min
3/13/2025 11:46 AM	15:00	7.07 pH	21.30 °C	556.87 µS/cm	0.28 mg/L	1.84 NTU	158.9 mV	47.92 ft	200.00 ml/min
3/13/2025 11:51 AM	20:00	7.07 pH	21.43 °C	556.79 µS/cm	0.24 mg/L	0.97 NTU	181.4 mV	47.92 ft	200.00 ml/min
3/13/2025 11:56 AM	25:00	7.07 pH	21.23 °C	554.44 µS/cm	0.23 mg/L	0.42 NTU	197.6 mV	47.92 ft	200.00 ml/min
3/13/2025 12:01 PM	30:00	7.07 pH	21.17 °C	554.44 µS/cm	0.23 mg/L	0.20 NTU	207.4 mV	47.92 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/13/2025 10:27:15 AM
Project: Plant Mitchell CCR (5)
Operator Name: Daniel Howard

Location Name: MIT-PZ-57 **Latitude: 31.437663291610253** **Longitude: -84.13609614603607** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 63.39 ft** **Total Depth: 73.39 ft** **Initial Depth to Water: 27.61 ft**	**Pump Type: QED BLADDER PUMP** **Tubing Type: LDPE** **Pump Intake From TOC: 68.39 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177581**

Test Notes:
Sample time 1059.

Weather Conditions:
Partly Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
3/13/2025 10:27 AM	00:00	7.13 pH	20.90 °C	532.58 µS/cm	1.04 mg/L	48.60 NTU	146.7 mV	27.61 ft	200.00 ml/min
3/13/2025 10:32 AM	05:00	7.13 pH	21.06 °C	539.33 µS/cm	0.83 mg/L	44.60 NTU	177.2 mV	27.86 ft	200.00 ml/min
3/13/2025 10:37 AM	10:00	7.13 pH	21.08 °C	534.11 µS/cm	0.84 mg/L	25.10 NTU	160.8 mV	27.86 ft	200.00 ml/min
3/13/2025 10:42 AM	15:00	7.13 pH	21.06 °C	533.45 µS/cm	0.78 mg/L	8.96 NTU	175.7 mV	27.86 ft	200.00 ml/min
3/13/2025 10:47 AM	20:00	7.13 pH	20.96 °C	535.54 µS/cm	0.68 mg/L	4.77 NTU	179.0 mV	27.86 ft	200.00 ml/min
3/13/2025 10:52 AM	25:00	7.13 pH	21.24 °C	535.17 µS/cm	0.61 mg/L	3.12 NTU	179.5 mV	27.86 ft	200.00 ml/min
3/13/2025 10:57 AM	30:00	7.13 pH	21.28 °C	535.25 µS/cm	0.54 mg/L	2.30 NTU	178.5 mV	27.86 ft	200.00 ml/min

Samples

Sample ID:	Description:
MIT-PZ-57	

APPENDIX C
CALIBRATION DATA

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 8/13/24

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	AquaTroll 400	853553
Turbidity Meter		Hach 2100 Q	22090D000086

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	11/24	Atl Instru
pH (SU)	4.00	24005593	11/24	↓
pH (SU)	7.00	~~24000085~~	24003597 / 11/24	↓
pH (SU)	10.00	24000085	12/24	↓
D.O. (%)	N/A	NA	NA	NA
ORP (mV)	228.0	24011792	6/25	Atl Instru

Calibration					
Time Start 0600		**Time Finish** 0630			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	24.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.09	± 0.1	GWMP
pH (SU)	7.00	7.00	24.69	± 0.1	GWMP
pH (SU)	10.00	10.00	24.93	± 0.1	GWMP
D.O. (%)	N/A	7.59	23.12	± 10%	NA
ORP (mV)	228.0	229.4	24.82	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	101		
	800	796		
	Ck 10	9.78		

Calibration Check					
Time Start 1237		**Time Finish** 1250			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4447	24.64	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	24.53	± 0.1	GWMP
pH (SU)	7.00	7.02	25.46	± 0.1	GWMP
pH (SU)	10.00	DH/9.99	26.15	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	99.6		
	800	794		
	Ck 10	9.95		

Notes:

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 8/14/24

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ	AquaTroll 400	883553
Turbidity Meter		Hach 2100 Q	22090D000086

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	11/24	A+I Instru
pH (SU)	4.00	24005593	11/24	↓
pH (SU)	7.00	24003597	11/24	↓
pH (SU)	10.00	24000075	12/24	↓
D.O. (%)	N/A	NA	NA	NA
ORP (mV)	228.0	24011792	6/25	A+I Instru

Calibration					
Time Start 0540		**Time Finish** 0605			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	23.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.46	± 0.1	GWMP
pH (SU)	7.00	7.00	24.16	± 0.1	GWMP
pH (SU)	10.00	10.00	24.45	± 0.1	GWMP
D.O. (%)	N/A	7.40	23.69	± 10%	NA
ORP (mV)	228.0	229.9	24.40	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.6	± 10% of standard	EPA 2023
	100	97.9		
	800	801		
	ck 10	9.38		

Calibration Check					
Time Start 1335		**Time Finish** 1345			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4480	30.19	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	30.19	± 0.1	GWMP
pH (SU)	7.00	6.99	30.15	± 0.1	GWMP
pH (SU)	10.00	~~9.40~~ 9.40	29.84	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.4	± 10% of standard	EPA 2023
	100	98.3		
	800	778		
	ck 10	10.2		

Notes:

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 8/15/24

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter Instru	Aqua Troll 400	883553
Turbidity Meter	Hach 2100 Q	22090D000086

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24005593	11/24	Atl Instru
pH (SU)	4.00	24005593	11/24	↓
pH (SU)	7.00	24003597	11/24	↓
pH (SU)	10.00	24000085	12/24	↓
D.O. (%)	N/A	NA	NA	NA
ORP (mV)	228.0	24011792	6/25	Atl Instru

Calibration					
Time Start 0530		Time Finish 0600			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.81	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.66	± 0.1	GWMP
pH (SU)	7.00	7.00	24.38	± 0.1	GWMP
pH (SU)	10.00	10.00	24.42	± 0.1	GWMP
D.O. (%)	N/A	7.39	23.57	± 10%	NA
ORP (mV)	228.0	229.7	24.51	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.4	± 10% of standard	EPA 2023
	100	99.8		
	800	794		
	CK 10	10.2		

Calibration Check					
Time Start 1430		Time Finish 1440			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4416	28.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	28.15	± 0.1	GWMP
pH (SU)	7.00	7.00	28.46	± 0.1	GWMP
pH (SU)	10.00	9.95	27.95	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.8	± 10% of standard	EPA 2023
	100	101		
	800	788		
	CK 10	10.4		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 8-13-24

Calibrated By:

Field Conditions: HOT-HUMID-CLEAR

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	INSITU AT900	952637
Turbidity Meter	HACH 2100Q	22080173

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/25	AIR
pH (SU)	4.00	24010943	5/25	"
pH (SU)	7.00	24004517	12/24	"
pH (SU)	10.00	24000085	12/24	"
D.O. (%)	N/A	—	—	"
ORP (mV)	228.0	24011792	6-25	"

Calibration

Time Start 1210 Time Finish 1250

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.61	29.15	± 10% of standard	EPA 2023
pH (SU)	4.00	~~3.98~~ 4.03	29.20	± 0.1	GWMP
pH (SU)	7.00	6.92	29.43	± 0.1	GWMP
pH (SU)	10.00	9.92	29.2	± 0.1	GWMP
D.O. (%)	N/A	7.78	29.24	± 10%	NA
ORP (mV)	228.0	216.9	29.27	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.2	± 10% of standard	EPA 2023
	20	20.0		
	100	101		
	800	848		

Calibration Check

Time Start 1605 Time Finish 1615

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.68	29.12	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	29.12	± 0.1	GWMP
pH (SU)	7.00	7.05	29.58	± 0.1	GWMP
pH (SU)	10.00	9.96	29.43	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	20		
	100	101		
	800	848		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 8-14-24

Calibrated By: EVER GUILLEN

Field Conditions: HOT, HUMID, CLEAR

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	INSITU AT400	952637
Turbidity Meter	HACH 2100Q	22080C173

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5-25	AIP
pH (SU)	4.00	24010943	5-25	↓
pH (SU)	7.00	24004517	12-24	
pH (SU)	10.00	24000085	12-24	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24011792	6-25	

Calibration					
Time Start 0830		Time Finish 0900			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	~~7.994.72~~	~~26.78~~ 27.02	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	27.15	± 0.1	GWMP
pH (SU)	7.00	7.01	27.36	± 0.1	GWMP
pH (SU)	10.00	10.02	27.57	± 0.1	GWMP
D.O. (%)	N/A	7.97	26.78	± 10%	NA
ORP (mV)	228.0	222.6	27.71	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.4	± 10% of standard	EPA 2023
	20	19.7		
	100	99.6		
	800	797		

Calibration Check					
Time Start 1330		Time Finish 1340			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.57	28.70	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	28.70	± 0.1	GWMP
pH (SU)	7.00	7.04	28.46	± 0.1	GWMP
pH (SU)	10.00	9.88	28.20	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.6	± 10% of standard	EPA 2023
	20	20.5		
	100	100		
	800	804		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 8-15-24

Calibrated By: EVER GUILLEN

Field Conditions: HOT - HUMID CLEAR

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	INSITU AT 400	952637
Turbidity Meter	HACH 2100Q	220800173

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5-25	AIR
pH (SU)	4.00	24010943	5-25	↓
pH (SU)	7.00	24009517	12-24	
pH (SU)	10.00	24000085	12-24	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24011792	6-25	

Calibration

Time Start 0830 Time Finish 0900

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.42	26.98	± 10% of standard	EPA 2023
pH (SU)	4.00	4.15	27.36	± 0.1	GWMP
pH (SU)	7.00	7.04	27.38	± 0.1	GWMP
pH (SU)	10.00	9.93	27.38	± 0.1	GWMP
D.O. (%)	N/A	8.12	26.20	± 10%	NA
ORP (mV)	228.0	227.3	27.34	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	10	10.5	± 10% of standard	EPA 2023
	20	20.2		
	100	99.1		
	800	792		

Calibration Check

Time Start 1500 Time Finish 1520

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4.46	28.87	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	28.87	± 0.1	GWMP
pH (SU)	7.00	7.00	28.16	± 0.1	GWMP
pH (SU)	10.00	10.02	27.59	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	10	10.7	± 10% of standard	EPA 2023
	20	20.0		
	100	101		
	800	798		

Notes:

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 3/11/25

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	117581
Turbidity Meter	Hach 2100Q	22090D000345

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/25	Atl Instru
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24000858	6/25	
pH (SU)	10.00	24000085	12/25	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011792	6/25	Atl Instru

Calibration					
Time Start 1144			Time Finish 1220		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	17.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	18.39	± 0.1	GWMP
pH (SU)	7.00	7.02	18.25	± 0.1	GWMP
pH (SU)	10.00	10.05	17.79	± 0.1	GWMP
D.O. (%)	N/A	9.12	25.52	± 10%	NA
ORP (mV)	228.0	236.2	19.58	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.8	± 10% of standard	EPA 2023
	100	99.5		
	800	795		
	ck 10	9.77		

Calibration Check					
Time Start 1620			Time Finish 1640		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4647	22.39	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	22.42	± 0.1	GWMP
pH (SU)	7.00	7.06	21.95	± 0.1	GWMP
pH (SU)	10.00	10.07	22.26	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	99.0		
	800	787		
	ck 10	9.96		

Notes:

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 3/12/25

Calibrated By: Daniel Howard

Field Conditions: Clear + Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll	1177581
Turbidity Meter	Hach 2100Q	22090D000348

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	3/25	A+I Instru
pH (SU)	4.00	24010943	3/25	↓
pH (SU)	7.00	24000358	6/25	
pH (SU)	10.00	240 000085	12/25	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24011792	6/25	A+I Instru

Calibration					
Time Start	0542	Time Finish	0605		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.78	± 0.1	GWMP
pH (SU)	7.00	7.00	23.63	± 0.1	GWMP
pH (SU)	10.00	10.00	23.47	± 0.1	GWMP
D.O. (%)	N/A	9.05	24.02	± 10%	NA
ORP (mV)	228.0	231.3	23.35	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	100		
	800	803		
	CK 10	9.71		

Calibration Check					
Time Start	~~1230~~ 1235	Time Finish	1245		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4375	23.75	± 10% of standard	EPA 2023
pH (SU)	4.00	~~4.00~~ 4.04	24.70	± 0.1	GWMP
pH (SU)	7.00	~~7.00~~ 7.03	23.63	± 0.1	GWMP
pH (SU)	10.00	10.01	22.56	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.5	± 10% of standard	EPA 2023
	100	99.3		
	800	780		
	CK 10	9.77		

Notes:

Site Name: Plant Mitchell

Field Instrumentation Calibration Form

Date: 3/13/25

Calibrated By: Daniel Howard

Field Conditions: Clear & Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	1177581
Turbidity Meter	Hach 2100Q	22090D000345

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/25	Atl Instru
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24008858	6/25	↓
pH (SU)	10.00	24000085	12/25	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011792	6/25	Atl Instru

Calibration					
Time Start	0544	Time Finish	0615		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	23.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.71	± 0.1	GWMP
pH (SU)	7.00	7.00	23.69	± 0.1	GWMP
pH (SU)	10.00	10.00	23.53	± 0.1	GWMP
D.O. (%)	N/A	9.09	23.61	± 10%	NA
ORP (mV)	228.0	231.3	23.34	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.9		
	800	801		
	CK 10	9.72		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4496	23.51	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.51	± 0.1	GWMP
pH (SU)	7.00	7.02	23.22	± 0.1	GWMP
pH (SU)	10.00	9.99	23.25	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.6		
	800	798		
	CK 10	9.85		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 3-11-25

Calibrated By: EVER GUILLEN

Field Conditions: COLD - CLEAR - WET

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AQUATROLL 400	1177603
Turbidity Meter	HACH 2100Q	15030C039370

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/25	AIR
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24008587	06/25	"
pH (SU)	10.00	24004996	06/25	"
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/26	AIR

Calibration					
Time Start 1115		**Time Finish** 1145			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4455	17.82	± 10% of standard	EPA 2023
pH (SU)	4.00	4.10	17.32	± 0.1	GWMP
pH (SU)	7.00	7.11	14.06	± 0.1	GWMP
pH (SU)	10.00	10.11	13.30	± 0.1	GWMP
D.O. (%)	N/A	8.47	102.16 %	± 10%	NA
ORP (mV)	228.0	237.5	12.49	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.96	± 10% of standard	EPA 2023
	20	19.6		
	100	98.0		
	800	799		

Calibration Check					
Time Start 1700		**Time Finish** 1715			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4541	19.90	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	19.90	± 0.1	GWMP
pH (SU)	7.00	6.98	18.35	± 0.1	GWMP
pH (SU)	10.00	10.06	17.76	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	19.8		
	100	99.0		
	800	793		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 3-12-25

Calibrated By: Ever Guillen

Field Conditions: Cold - Clear-Humid

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AQUA TROLL 400	1177603
Turbidity Meter	HACH 2100Q	15030C039370

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	2401 0993	5/25	AIR
pH (SU)	4.00	"	"	"
pH (SU)	7.00	24008587	6/25	"
pH (SU)	10.00	24004996	6/25	"
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	01/26	AIR

Calibration					
Time Start 845		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4659.2	15.10	± 10% of standard	EPA 2023
pH (SU)	4.00	3.93	15.5	± 0.1	GWMP
pH (SU)	7.00	6.99	15.18	± 0.1	GWMP
pH (SU)	10.00	10.05	15.19	± 0.1	GWMP
D.O. (%)	N/A	98.7 / 98.48	15.26	± 10%	NA
ORP (mV)	228.0	240.4	15.15	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	20.1		
	100	101		
	800	795		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4593.1	19.82	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	19.87	± 0.1	GWMP
pH (SU)	7.00	7.06	19.23	± 0.1	GWMP
pH (SU)	10.00	10.03	19.31	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	19.9		
	100	102		
	800	797		

Notes:

Site Name: PLANT MITCHELL

Field Instrumentation Calibration Form

Date: 3-13-25

Calibrated By: EVER GUILLEN

Field Conditions: COLD - CLOUDY - HUMID

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AQUATROLL 400	1177603
Turbidity Meter	HACH 2100 Q	15030C039370

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5-25	AIR
pH (SU)	4.00	〃	〃	〃
pH (SU)	7.00	24008587	6/25	〃
pH (SU)	10.00	24004996	6/25	〃
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	22490162	1/26	AIR

Calibration					
Time Start 800		Time Finish 840			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4531.1	14.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	15.11	± 0.1	GWMP
pH (SU)	7.00	7.06	15.72	± 0.1	GWMP
pH (SU)	10.00	10.14	16.00	± 0.1	GWMP
D.O. (%)	N/A	10.44 / 99.2%	12.85	± 10%	NA
ORP (mV)	228.0	239.2	16.02	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.0	± 10% of standard	EPA 2023
	20	18.9		
	100	96.6		
	800	793		

Calibration Check					
Time Start 1240		Time Finish 1255			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4621.7	20.31	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	20.36	± 0.1	GWMP
pH (SU)	7.00	7.14	19.96	± 0.1	GWMP
pH (SU)	10.00	10.12	20.04	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.98	± 10% of standard	EPA 2023
	20	19.2		
	100	97.3		
	800	796		

Notes:

APPENDIX D
STATISTICAL ANALYSES

AUGUST 2024 EVENT

GROUNDWATER STATS CONSULTING

February 28, 2025

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Mitchell Ash Pond
August 2024 Semi-Annual Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2024 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical analysis of groundwater data for Georgia Power Company's Plant Mitchell Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells except for newly installed downgradient well PZ-57 which was first sampled in January 2022. Semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

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

- **Upgradient wells:** PZ-1D, PZ-2D, PZ-31, and PZ-32

- **Downgradient wells:** PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-57

Note that well PZ-23 was abandoned and was replaced with well PZ-23A which was first sampled in March 2020. Since new well PZ-23A was installed in close proximity to well PZ-23, the data from the two wells were combined. Additionally, downgradient well PZ-57 has been sampled six times since installation in January 2022. Data for this well are plotted on time series and box plots, and formal statistics are conducted when a minimum of 8 samples is available for Appendix III and IV constituents.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting.

The Coal Combustion Residuals (CCR) program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

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

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects since 2016 for Appendix IV constituents follows this letter.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within both individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening report to demonstrate that the selected statistical methods for the parameters listed above comply

with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Appendix III and IV Parameters:

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

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Initial Background Screening – Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified, and the reports were submitted with the screening. In cases where the most recent value was identified as an outlier, values were not flagged in the database at that time as they may represent a future trend. If future values do not remain at similar concentrations, these values may be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the values identified by Tukey's method, only a few of these values were flagged in the database as outliers since all other values were similar to remaining measurements within a given well or neighboring wells or were non-detects.

When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be visual, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends, and the reports were submitted with the screening. 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, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses were included with the previous screening and showed one statistically significant decreasing trend for chloride at well PZ-25. This trend was relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data set.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for boron and fluoride, making these constituents eligible for interwell analyses. Variation was noted for calcium, chloride, pH, sulfate and TDS. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Statistical Analysis of Appendix III Parameters – August 2024 Sample Event

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

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2024 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2024 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and, therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the interwell prediction limits follows this letter. The following interwell prediction limit exceedances were noted for the Appendix III parameters:

- Boron: PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57, and PZ-7D
- Calcium: PZ-18, PZ-19, and PZ-23A
- Chloride: PZ-15 and PZ-16
- pH (lower limit): PZ-18, PZ-19, and PZ-23A

- Sulfate: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57, and PZ-7D
- TDS: PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-33, PZ-57, and PZ-7D

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report. Statistically significant trends were identified for the following downgradient and associated upgradient well/constituent pairs:

Increasing:
- Calcium: PZ-1D, PZ-32 (both upgradient), and PZ-18
- Sulfate: PZ-14

Decreasing:
- Boron: PZ-17, PZ-25, PZ-33, and PZ-7D
- Chloride: PZ-31 (upgradient), PZ-15, and PZ-16
- Sulfate: PZ-2D, PZ-31 (both upgradient), PZ-16, PZ-17, PZ-19, PZ-25, PZ-33, PZ-57, and PZ-7D
- TDS: PZ-33 and PZ-7D

Statistical Analysis of Appendix IV Parameters – August 2024

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient well/constituent pairs containing 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2024 for each Appendix IV

constituent (Figure F). Parametric limits are constructed when data follow a normal or transformed-normal distribution with a target of 95% confidence and 95% coverage, such as the case for barium and combined radium 226 + 228. When data contain greater than 50% non-detects or do not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents using data through August 2024 in accordance with the state requirements in each downgradient well (Figure H). As mentioned above, well/constituent pairs containing 100% non-detects did not require analysis. All downgradient wells contained 100% non-detects for beryllium; therefore, this constituent was not analyzed with confidence intervals.

The Sanitas software was used to calculate the confidence intervals. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix

IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. No exceedances were identified, and summaries and graphical results of the confidence intervals analyses follow this letter.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. Since no confidence interval exceedances were identified, no trend tests were required.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Mitchell 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

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

100% Non-Detects: Appendix IV Downgradient

Analysis Run 2/7/2025 11:29 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Antimony (mg/L)
PZ-25

Arsenic (mg/L)
PZ-16, PZ-18

Beryllium (mg/L)
PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-7D

Cadmium (mg/L)
PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-25, PZ-7D

Chromium (mg/L)
PZ-15, PZ-17, PZ-25

Cobalt (mg/L)
PZ-7D

Lead (mg/L)
PZ-14, PZ-17, PZ-25

Lithium (mg/L)
PZ-16, PZ-33

Molybdenum (mg/L)
PZ-18, PZ-33, PZ-7D

Selenium (mg/L)
PZ-16, PZ-17, PZ-18, PZ-25, PZ-33

Appendix III Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02721	n/a	8/14/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02721	n/a	8/14/2024	0.19	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02721	n/a	8/15/2024	0.053	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02721	n/a	8/14/2024	0.37	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02721	n/a	8/14/2024	0.35	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02721	n/a	8/14/2024	0.16	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02721	n/a	8/13/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02721	n/a	8/15/2024	0.35	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-57	0.02721	n/a	8/15/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02721	n/a	8/15/2024	0.19	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	110	n/a	8/14/2024	139	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	110	n/a	8/14/2024	118	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	110	n/a	8/14/2024	141	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	5	n/a	8/14/2024	6.1	Yes	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-16	5	n/a	8/14/2024	5.9	Yes	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	8/14/2024	6.92	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	8/14/2024	6.9	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	8/14/2024	6.75	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	5.898	n/a	8/14/2024	17.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	5.898	n/a	8/14/2024	78.4	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	5.898	n/a	8/14/2024	38.8	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	5.898	n/a	8/15/2024	18.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	5.898	n/a	8/14/2024	94.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	5.898	n/a	8/14/2024	61.7	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	5.898	n/a	8/14/2024	43.4	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	5.898	n/a	8/13/2024	34.8	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	5.898	n/a	8/15/2024	31.6	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-57	5.898	n/a	8/15/2024	59.7	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	5.898	n/a	8/15/2024	39	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-15	307.1	n/a	8/14/2024	342	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-16	307.1	n/a	8/14/2024	311	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-18	307.1	n/a	8/14/2024	468	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-19	307.1	n/a	8/14/2024	436	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-23A	307.1	n/a	8/14/2024	436	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-33	307.1	n/a	8/15/2024	341	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-57	307.1	n/a	8/15/2024	348	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-7D	307.1	n/a	8/15/2024	350	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-14	0.02721	n/a	8/14/2024	0.035J	No	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	**PZ-15**	**0.02721**	**n/a**	**8/14/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-16**	**0.02721**	**n/a**	**8/14/2024**	**0.19**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-17**	**0.02721**	**n/a**	**8/15/2024**	**0.053**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-18**	**0.02721**	**n/a**	**8/14/2024**	**0.37**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-19**	**0.02721**	**n/a**	**8/14/2024**	**0.35**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-23A**	**0.02721**	**n/a**	**8/14/2024**	**0.16**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-25**	**0.02721**	**n/a**	**8/13/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-33**	**0.02721**	**n/a**	**8/15/2024**	**0.35**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-57**	**0.02721**	**n/a**	**8/15/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-7D**	**0.02721**	**n/a**	**8/15/2024**	**0.19**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-14	110	n/a	8/14/2024	100	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	110	n/a	8/14/2024	98	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	110	n/a	8/14/2024	97.5	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	110	n/a	8/15/2024	71.2	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	**PZ-18**	**110**	**n/a**	**8/14/2024**	**139**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-19**	**110**	**n/a**	**8/14/2024**	**118**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-23A**	**110**	**n/a**	**8/14/2024**	**141**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-25	110	n/a	8/13/2024	88.7	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	110	n/a	8/15/2024	99.2	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-57	110	n/a	8/15/2024	98.3	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	110	n/a	8/15/2024	104	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	5	n/a	8/14/2024	4.4	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	**PZ-15**	**5**	**n/a**	**8/14/2024**	**6.1**	**Yes**	**80**	**0**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-16**	**5**	**n/a**	**8/14/2024**	**5.9**	**Yes**	**80**	**0**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	PZ-17	5	n/a	8/15/2024	1.3	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-18	5	n/a	8/14/2024	4.2	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-19	5	n/a	8/14/2024	2.5	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-23A	5	n/a	8/14/2024	2.8	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-25	5	n/a	8/13/2024	1.6	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-33	5	n/a	8/15/2024	2.9	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-57	5	n/a	8/15/2024	2	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-7D	5	n/a	8/15/2024	3.3	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	8/14/2024	0.065J	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	8/13/2024	0.12	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-57	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
pH (SU)	PZ-14	9.48	6.96	8/14/2024	7.52	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-15	9.48	6.96	8/14/2024	7.11	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	8/14/2024	7.15	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	8/15/2024	7.35	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	**PZ-18**	**9.48**	**6.96**	**8/14/2024**	**6.92**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	**PZ-19**	**9.48**	**6.96**	**8/14/2024**	**6.9**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	**PZ-23A**	**9.48**	**6.96**	**8/14/2024**	**6.75**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	PZ-25	9.48	6.96	8/13/2024	7.06	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	8/15/2024	7.07	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-57	9.48	6.96	8/15/2024	7.1	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	8/15/2024	7.05	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**PZ-14**	**5.898**	**n/a**	**8/14/2024**	**17.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-15**	**5.898**	**n/a**	**8/14/2024**	**78.4**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-16**	**5.898**	**n/a**	**8/14/2024**	**38.8**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-17**	**5.898**	**n/a**	**8/15/2024**	**18.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-18**	**5.898**	**n/a**	**8/14/2024**	**94.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-19**	**5.898**	**n/a**	**8/14/2024**	**61.7**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-23A**	**5.898**	**n/a**	**8/14/2024**	**43.4**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-25**	**5.898**	**n/a**	**8/13/2024**	**34.8**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-33**	**5.898**	**n/a**	**8/15/2024**	**31.6**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-57**	**5.898**	**n/a**	**8/15/2024**	**59.7**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-7D**	**5.898**	**n/a**	**8/15/2024**	**39**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-14	307.1	n/a	8/14/2024	284	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-15**	**307.1**	**n/a**	**8/14/2024**	**342**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**PZ-16**	**307.1**	**n/a**	**8/14/2024**	**311**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-17	307.1	n/a	8/15/2024	245	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-18**	**307.1**	**n/a**	**8/14/2024**	**468**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-19**	**307.1**	**n/a**	**8/14/2024**	**436**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-23A**	**307.1**	**n/a**	**8/14/2024**	**436**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-25	307.1	n/a	8/13/2024	273	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**307.1**	**n/a**	**8/15/2024**	**341**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-57**	**307.1**	**n/a**	**8/15/2024**	**348**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**307.1**	**n/a**	**8/15/2024**	**350**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Trend Tests - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**PZ-17**	**-0.02803**	**-106**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-25**	**-0.005833**	**-95**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-33**	**-0.009628**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-7D**	**-0.02597**	**-139**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**4.155**	**124**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-1D (bg)**	**1.325**	**79**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-32 (bg)**	**1.399**	**114**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2026**	**-111**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.2734**	**-128**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2348**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.633**	**145**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-16**	**-1.999**	**-135**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.534**	**-125**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-19**	**-2.043**	**-117**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-25**	**-2.11**	**-156**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4398**	**-107**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5923**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.58**	**-174**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-57**	**-13.94**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.429**	**-119**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**-23.59**	**-80**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**-9.993**	**-90**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002707	-51	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	-12	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-17**	**-0.02803**	**-106**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-18	0	16	81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.02259	-78	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0007472	53	81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003383	-62	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-25**	**-0.005833**	**-95**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-2D (bg)	-0.0006816	-44	-81	No	20	5	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0.000503	28	81	No	20	30	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	6	81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-33**	**-0.009628**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-57	-0.003921	-2	-14	No	6	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-7D**	**-0.02597**	**-139**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**4.155**	**124**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-19	0.4626	12	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-1D (bg)**	**1.325**	**79**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-23A	0.8276	31	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	0.2963	14	81	No	20	5	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	1.558	78	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-32 (bg)**	**1.399**	**114**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2026**	**-111**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.2734**	**-128**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-1D (bg)	-0.05859	-68	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.03309	-52	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2348**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-32 (bg)	-0.0951	-78	-81	No	20	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01238	-51	-87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.01186	39	92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01701	-74	-87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.008757	42	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.04786	-15	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.005203	24	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-14**	**1.633**	**145**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-15	0.08429	4	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-16**	**-1.999**	**-135**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.534**	**-125**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-18	-0.4456	-31	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-19**	**-2.043**	**-117**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-1D (bg)	-0.03331	-31	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	2.044	76	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-25**	**-2.11**	**-156**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4398**	**-107**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5923**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-32 (bg)	-0.04882	-60	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-33**	**-10.58**	**-174**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-57**	**-13.94**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.429**	**-119**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	PZ-15	3.875	56	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-16	3.613	47	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-18	5.749	69	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-19	-4.498	-32	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-1D (bg)	2.87	49	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-23A	3.289	63	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-2D (bg)	-0.4749	-6	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-2S	-0.514	-3	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-31 (bg)	0.5919	22	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-32 (bg)	3.296	62	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**-23.59**	**-80**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	PZ-57	-15.87	-5	-14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**-9.993**	**-90**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limit Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:53 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	80	57.5	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	0.005	n/a	n/a	n/a	n/a	72	87.5	n/a	n/a	0.02489	NP Inter(NDs)
Barium (mg/L)	0.04406	n/a	n/a	n/a	n/a	80	1.25	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	64	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	64	100	n/a	n/a	0.03752	NP Inter(NDs)
Chromium (mg/L)	0.011	n/a	n/a	n/a	n/a	80	30	n/a	n/a	0.01652	NP Inter(normality)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	80	96.25	n/a	n/a	0.01652	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.598	n/a	n/a	n/a	n/a	78	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.29	n/a	n/a	n/a	n/a	84	46.43	n/a	n/a	0.01345	NP Inter(normality)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	80	83.75	n/a	n/a	0.01652	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	80	81.25	n/a	n/a	0.01652	NP Inter(NDs)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a	72	91.67	n/a	n/a	0.02489	NP Inter(NDs)
Molybdenum (mg/L)	0.01	n/a	n/a	n/a	n/a	80	76.25	n/a	n/a	0.01652	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	80	100	n/a	n/a	0.01652	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	80	91.25	n/a	n/a	0.01652	NP Inter(NDs)

PLANT MITCHELL ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.044	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.011	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.6	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	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*

Appendix IV - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 2/7/2025, 11:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	20	0.00287	0.0005814	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	20	0.002781	0.0006769	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	20	0.002869	0.0005881	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	20	0.002543	0.0009403	80	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.004	0.0018	0.006	No	20	0.00291	0.0005046	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	20	0.002872	0.0005724	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	20	0.002804	0.0006402	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	20	0.00276	0.0007438	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00089	0.006	No	20	0.002496	0.001041	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	18	0.004768	0.0009829	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	18	0.004311	0.001589	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	18	0.004284	0.001646	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	18	0.004761	0.001014	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00089	0.01	No	18	0.004514	0.001418	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.0017	0.01	No	18	0.004113	0.001719	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.0013	0.01	No	18	0.00433	0.001545	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7D	0.005	0.0012	0.01	No	18	0.004789	0.0008957	94.44	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.02756	0.01528	2	No	20	0.0223	0.01281	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-15	0.0613	0.048	2	No	20	0.0574	0.01409	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.0446	0.034	2	No	20	0.0414	0.01217	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07651	0.06432	2	No	20	0.07042	0.01073	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	20	0.0288	0.0119	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05721	0.05178	2	No	20	0.0545	0.004787	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04713	0.0364	2	No	20	0.04211	0.009979	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	20	0.1065	0.00821	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.0753	0.04	2	No	19	0.056	0.01594	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-7D	0.008941	0.006524	2	No	20	0.007825	0.002259	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	16	0.0004625	0.0001025	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	16	0.000475	0.0001	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.005	0.0013	0.1	No	20	0.003357	0.001877	55	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.0011	0.1	No	20	0.003215	0.002032	55	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	20	0.004778	0.0009928	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	20	0.004786	0.0009548	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.002198	0.001377	0.1	No	20	0.0026	0.001421	20	Kaplan-Meier	x^(1/3)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	20	0.004835	0.0007379	95	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002122	0.0009544	0.1	No	20	0.003995	0.003663	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	20	0.004615	0.001217	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0012	0.006	No	20	0.0039	0.001961	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	20	0.004775	0.001006	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0006	0.006	No	20	0.003681	0.002072	70	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	20	0.004605	0.001217	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.0008	0.006	No	20	0.003892	0.001971	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.001815	0.001108	0.006	No	20	0.001572	0.0009049	5	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-33	0.005	0.0012	0.006	No	20	0.003891	0.001878	70	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8097	0.296	5	No	20	0.6144	0.5295	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.018	0.7132	5	No	20	0.8786	0.2998	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8152	0.4462	5	No	20	0.6307	0.325	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.072	0.5867	5	No	19	0.8295	0.4146	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.041	0.4465	5	No	18	0.7437	0.4911	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.23	0.7296	5	No	20	0.9797	0.4405	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.107	0.655	5	No	20	0.8812	0.3983	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.114	0.7235	5	No	20	0.919	0.3442	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.9333	0.5495	5	No	20	0.7414	0.338	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6494	0.3031	5	No	20	0.4763	0.3049	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.07	4	No	21	0.09081	0.02298	66.67	None	No	0.01	NP (NDs)

Appendix IV - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 2/7/2025, 11:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-15	0.104	0.06682	4	No	21	0.1007	0.04292	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	21	0.08448	0.02347	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1161	0.06035	4	No	21	0.1107	0.05915	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.086	4	No	21	0.09957	0.03118	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.15	0.065	4	No	21	0.1076	0.07015	9.524	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.08865	0.05694	4	No	21	0.09533	0.05266	38.1	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-25	0.2155	0.1447	4	No	21	0.1838	0.06924	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.074	4	No	21	0.1007	0.03873	52.38	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.1	0.056	4	No	21	0.08819	0.02917	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	20	0.0009525	0.0002124	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	20	0.0009541	0.0002055	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	20	0.0009236	0.0002434	90	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	20	0.0009521	0.0002142	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	20	0.0008628	0.0003357	85	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	20	0.0009069	0.0002868	90	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	20	0.0009521	0.0002144	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	20	0.02865	0.006037	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.0012	0.04	No	20	0.01132	0.01406	35	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.003	0.002	0.04	No	20	0.007765	0.01142	20	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0025	0.04	No	20	0.005155	0.006823	10	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01407	0.01093	0.04	No	20	0.0125	0.002768	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.0011	0.04	No	20	0.02129	0.01364	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006798	0.005652	0.04	No	20	0.006225	0.00101	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0034	0.0024	0.04	No	20	0.00897	0.02732	5	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	18	0.00019	0.00003218	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	18	0.0001943	0.00002428	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	18	0.0001927	0.00003111	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	18	0.0001937	0.00002687	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	18	0.0001921	0.00003371	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	18	0.0001858	0.0000423	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	18	0.0001922	0.00002647	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	18	0.0001918	0.00003465	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	18	0.0001774	0.00005362	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	18	0.0001841	0.00004642	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	20	0.009525	0.002124	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0023	0.0019	0.1	No	20	0.002265	0.0006953	5	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	20	0.009085	0.002817	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	20	0.00955	0.002012	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	20	0.004635	0.001124	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	20	0.00484	0.0007155	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.003674	0.002316	0.05	No	20	0.00561	0.003437	35	Kaplan-Meier	ln(x)	0.01	Param.
Selenium (mg/L)	PZ-23A	0.01	0.0019	0.05	No	20	0.004925	0.00384	35	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0017	0.05	No	20	0.0035	0.001708	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	20	0.000953	0.0002102	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.00022	0.002	No	20	0.0007605	0.0003761	70	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.0002	0.002	No	20	0.0007502	0.0003927	70	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	20	0.0006465	0.0003677	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	20	0.0008581	0.0003467	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006392	0.0004798	0.002	No	20	0.0005595	0.0001404	5	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00018	0.002	No	20	0.000636	0.0004147	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-25	0.001	0.00037	0.002	No	20	0.0006825	0.0002967	40	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00018	0.002	No	20	0.0007815	0.0003887	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0002	0.002	No	20	0.0007782	0.0003949	75	None	No	0.01	NP (NDs)

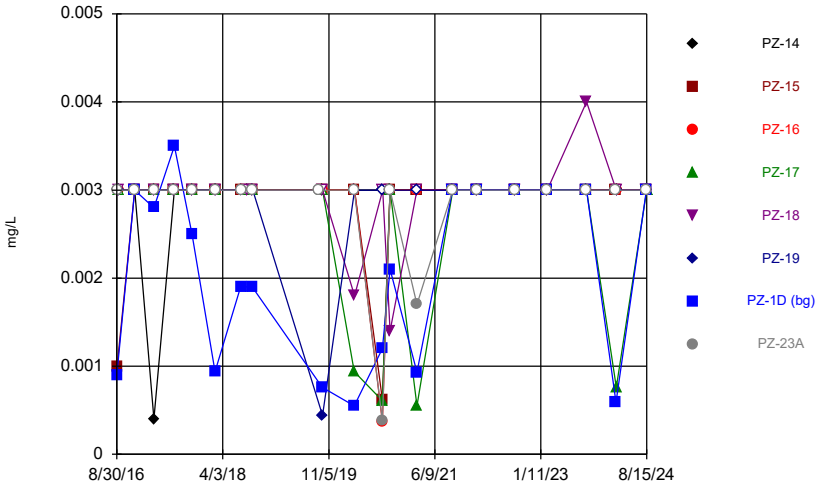
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FIGURE A.

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

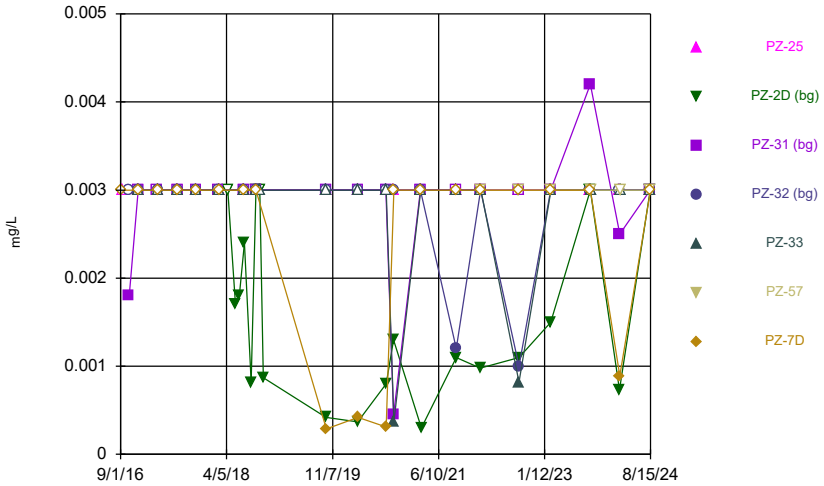
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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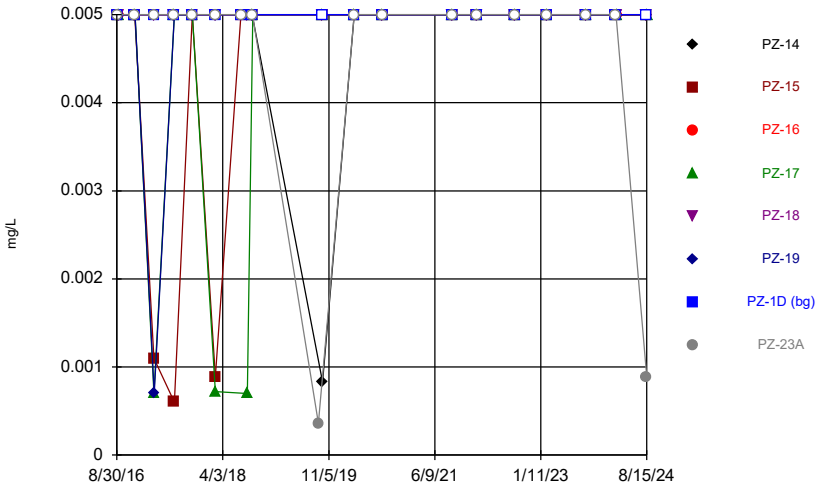
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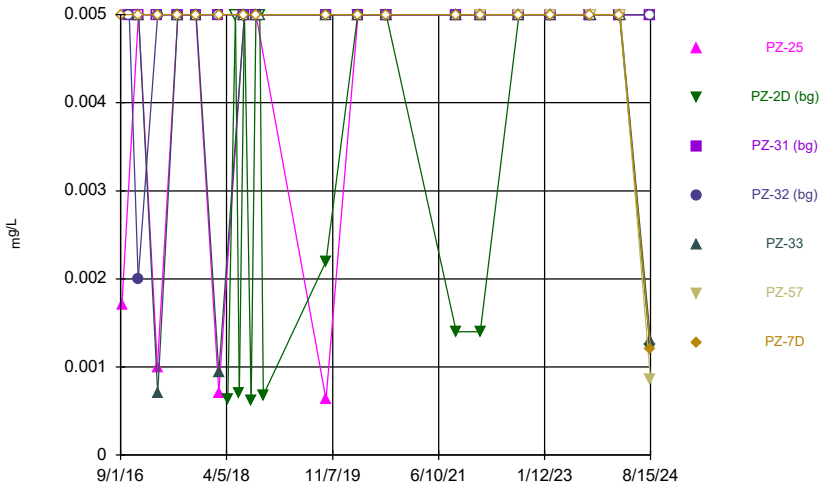
Time Series



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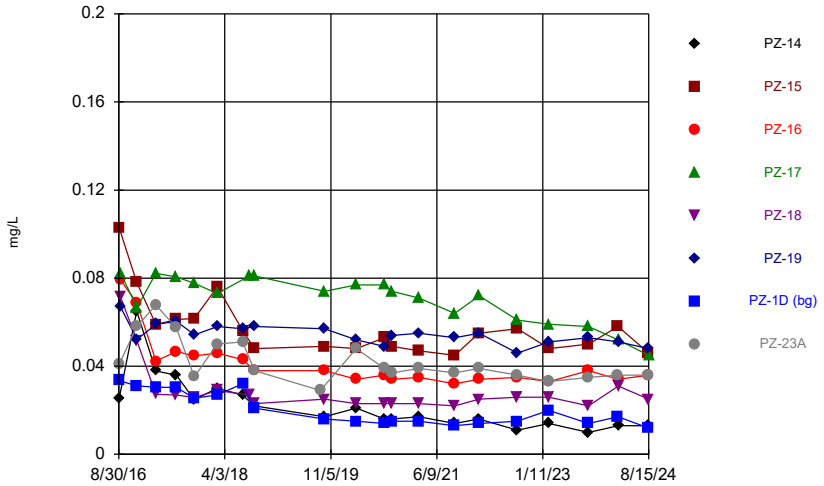
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Time Series



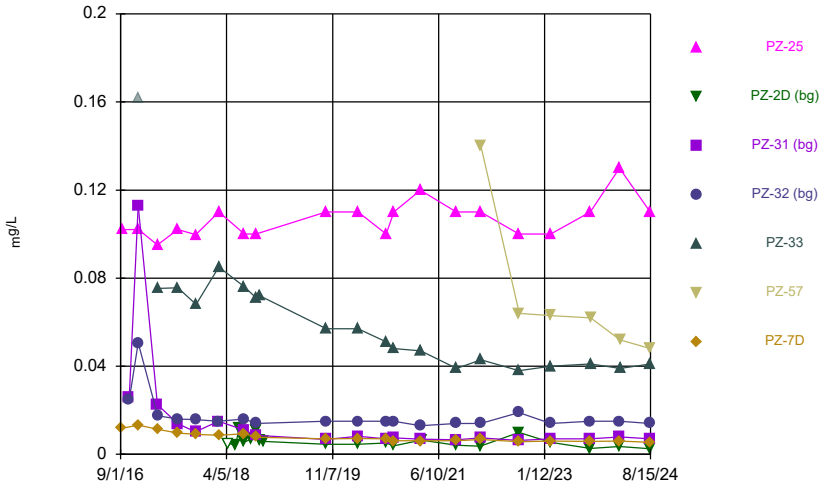
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Time Series



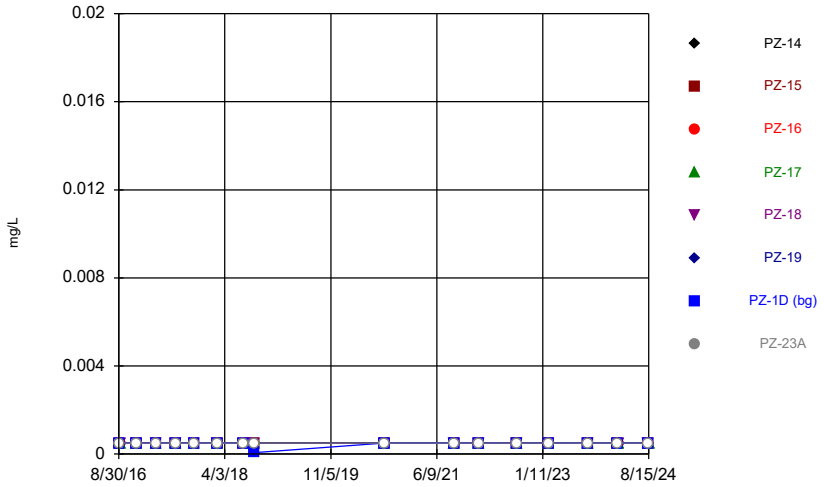
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Time Series



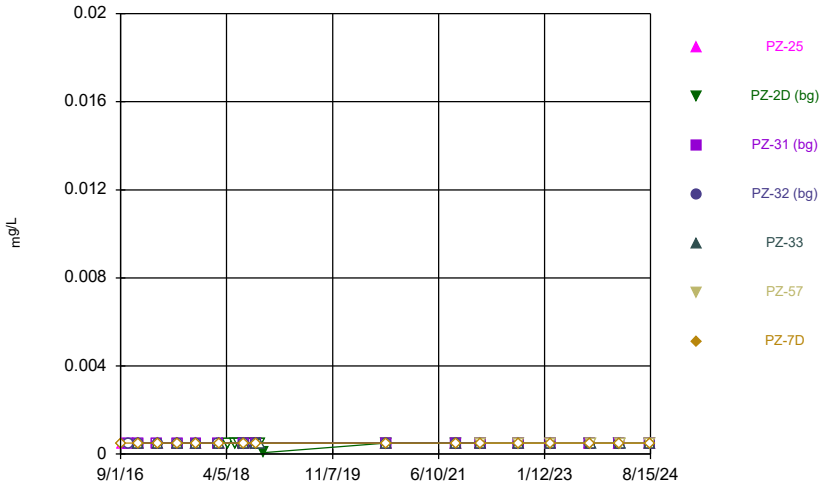
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Hollow symbols indicate censored values.

Time Series

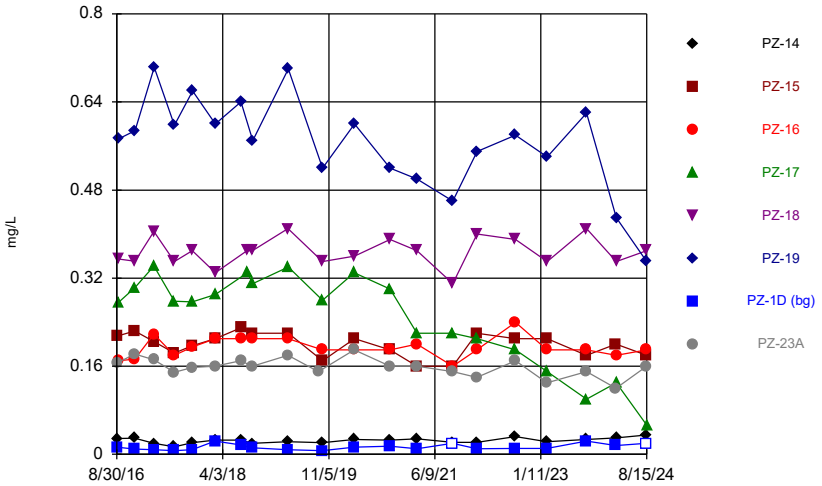


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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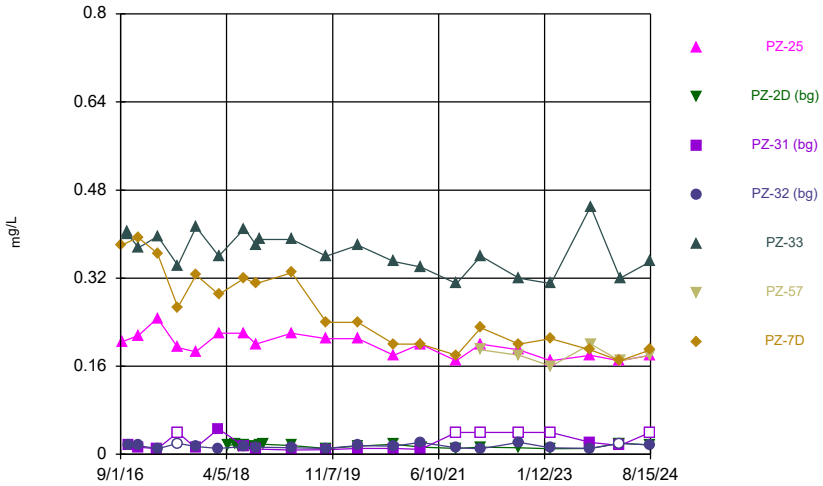
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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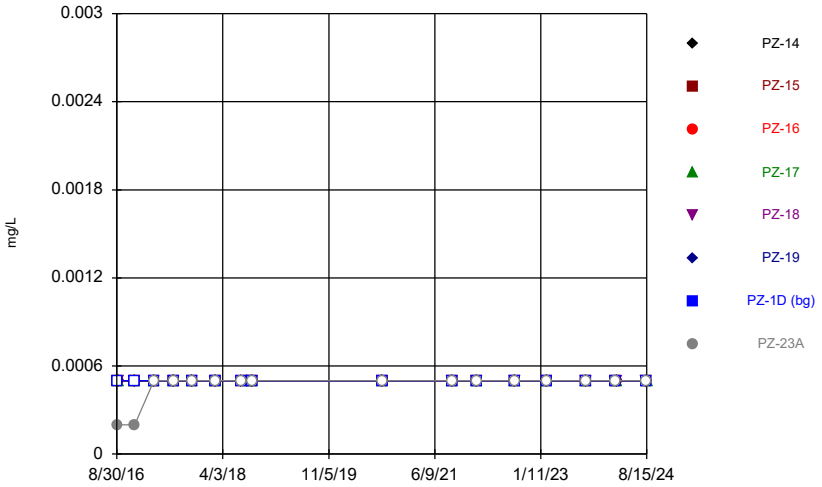
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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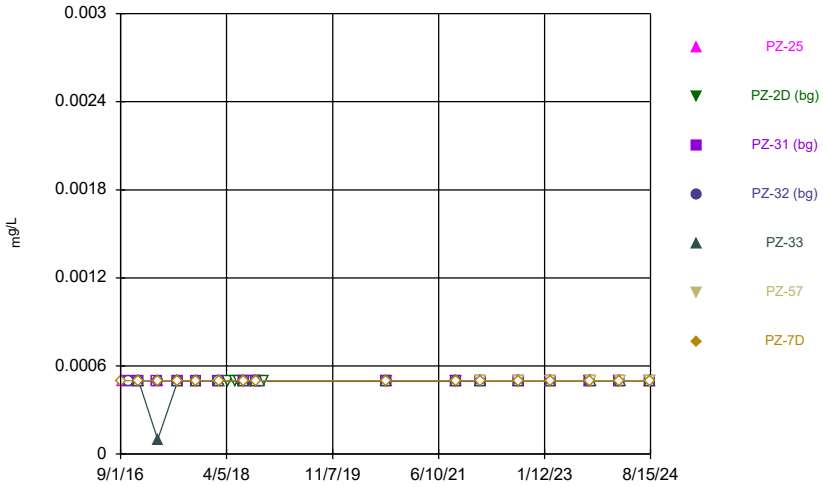
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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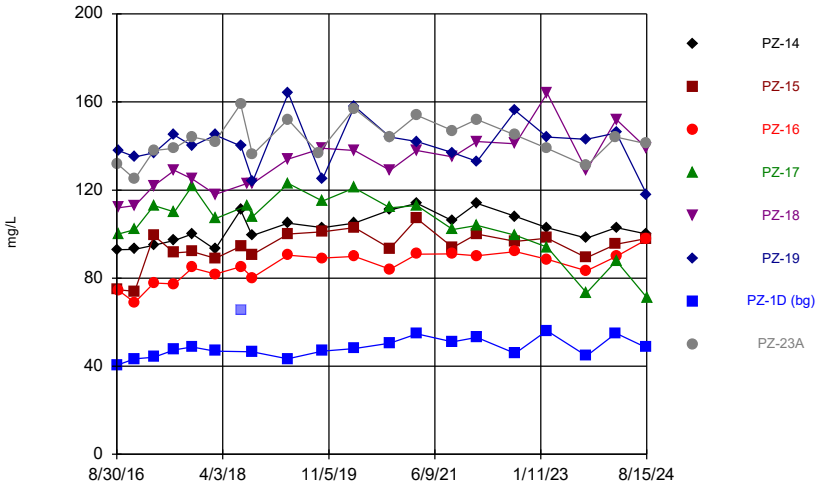
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



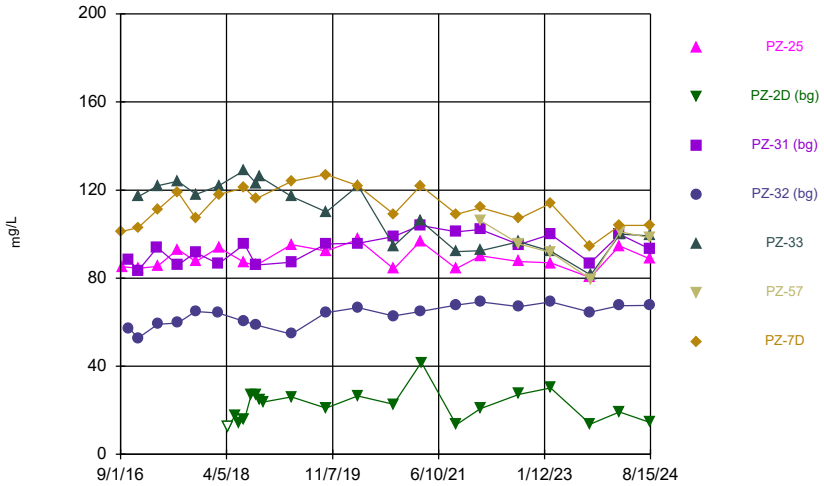
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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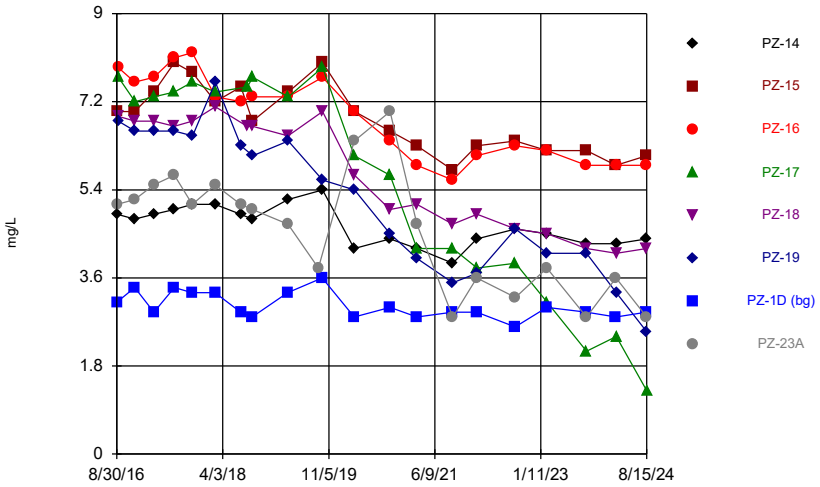


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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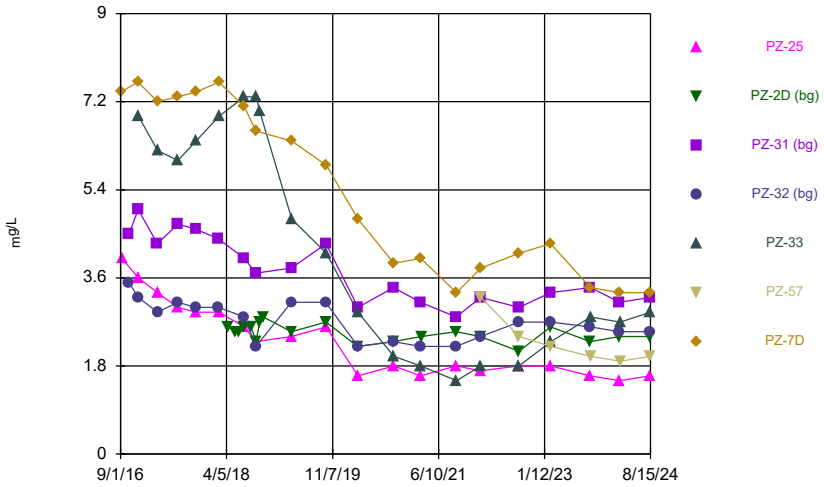


Constituent: Chloride Analysis Run 9/24/2024 4:15 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Time Series

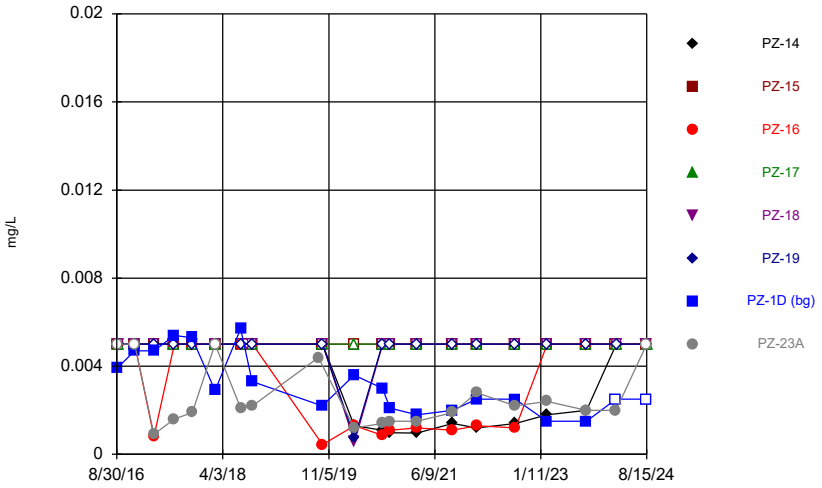


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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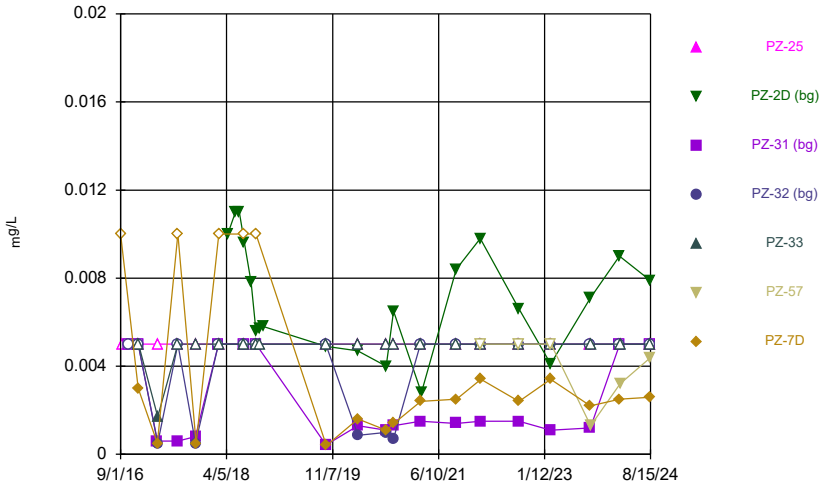
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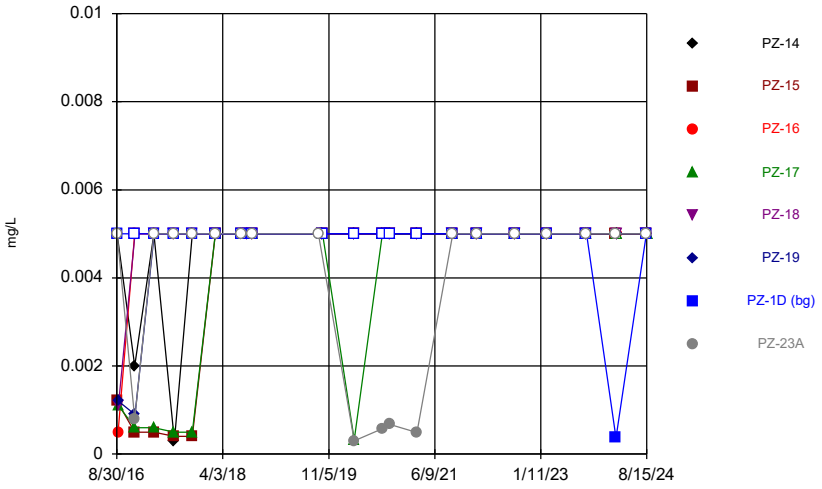
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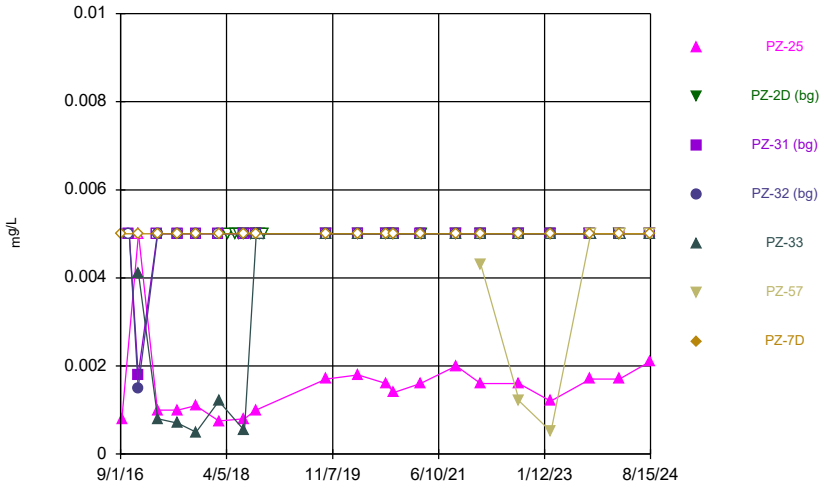
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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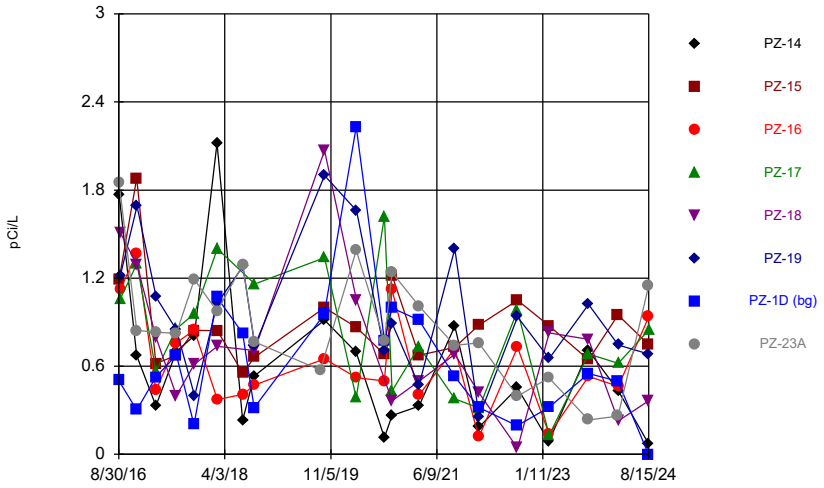
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Constituent: Cobalt Analysis Run 9/24/2024 4:15 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

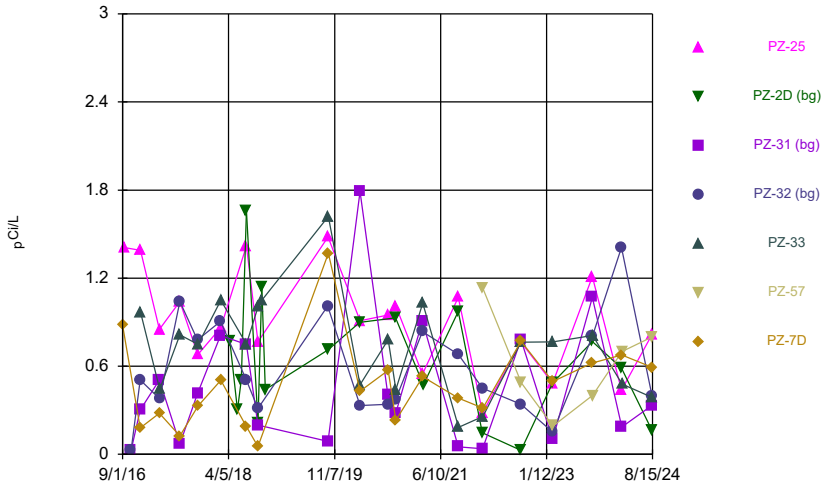


Constituent: Combined Radium 226 + 228 Analysis Run 9/24/2024 4:15 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



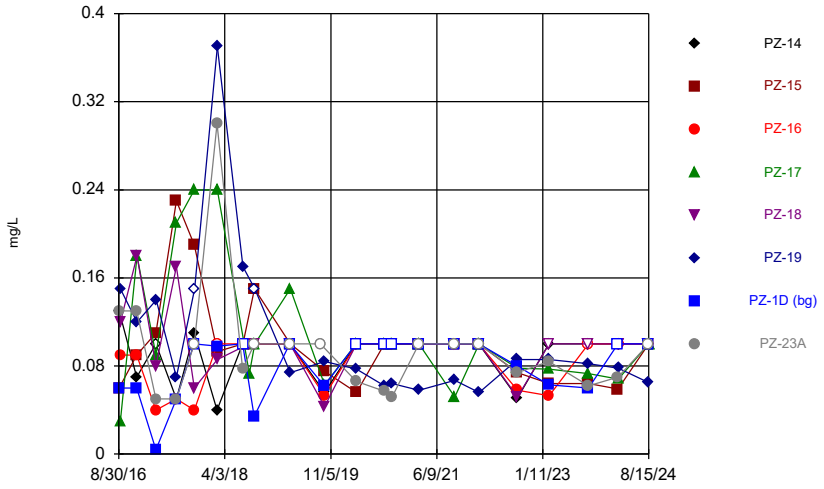
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Hollow symbols indicate censored values.

Time Series



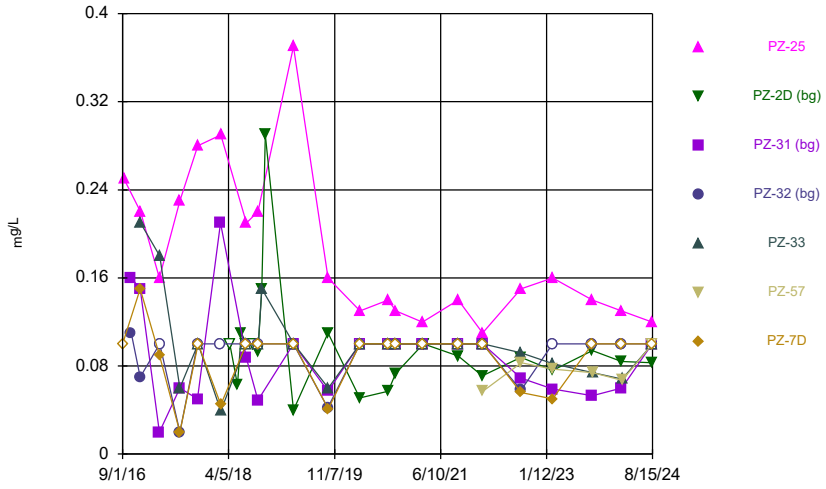
Constituent: Fluoride Analysis Run 9/24/2024 4:15 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

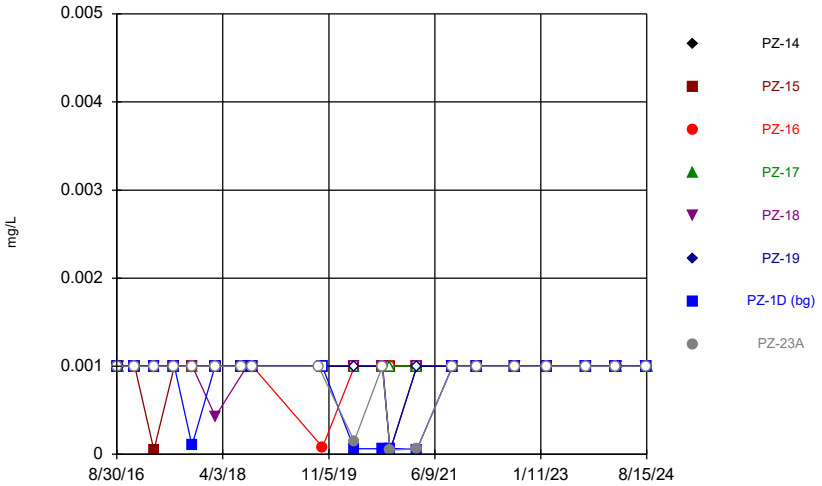


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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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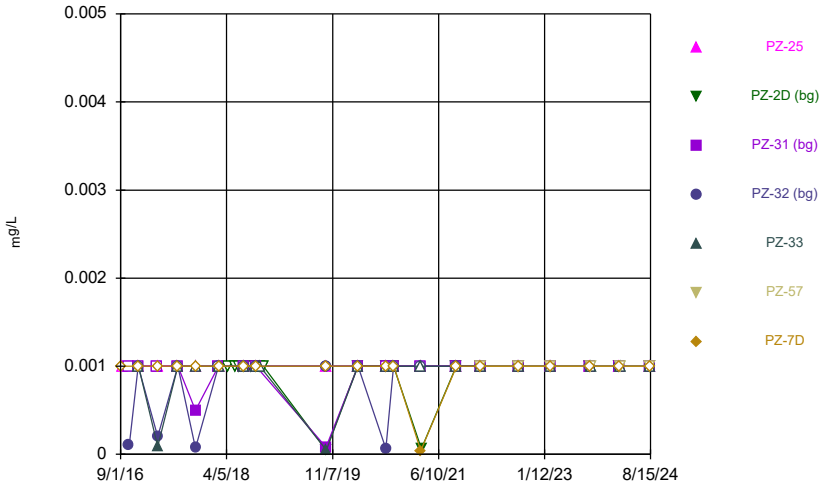
Time Series



Constituent: Lead Analysis Run 9/24/2024 4:15 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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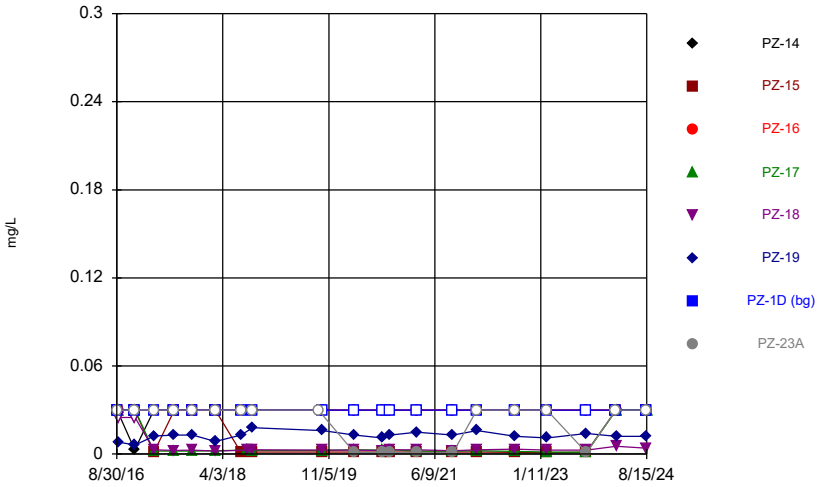
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Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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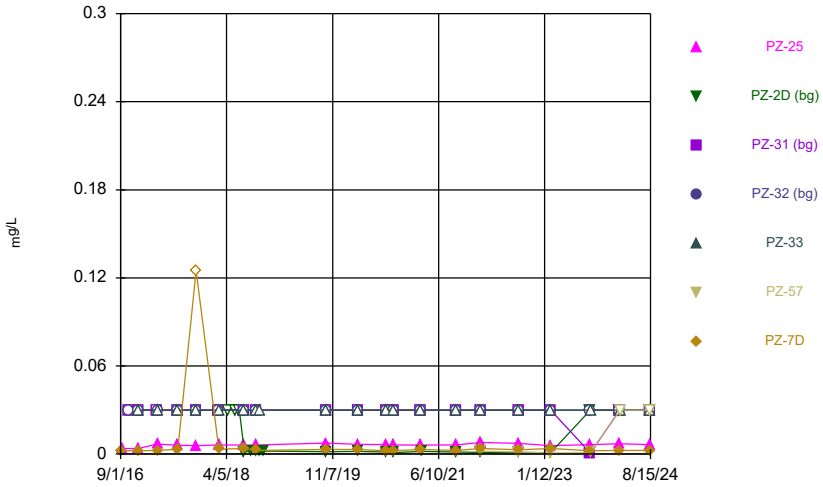
Time Series



Constituent: Lithium Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

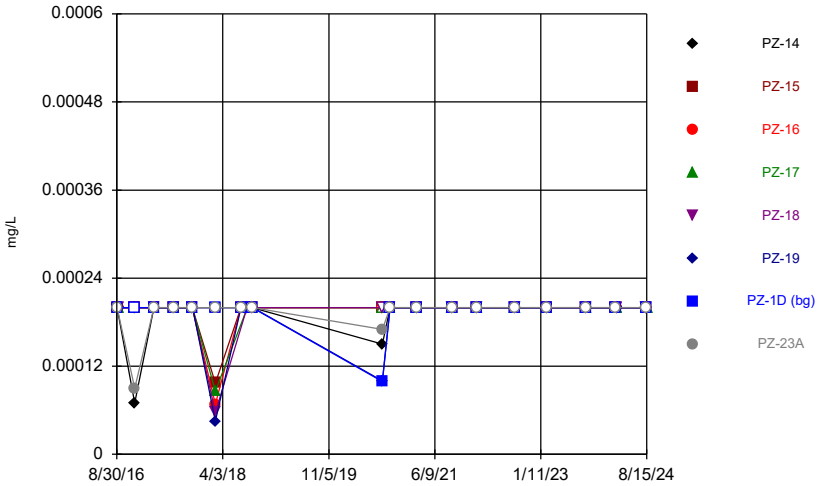
Time Series



Constituent: Lithium Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

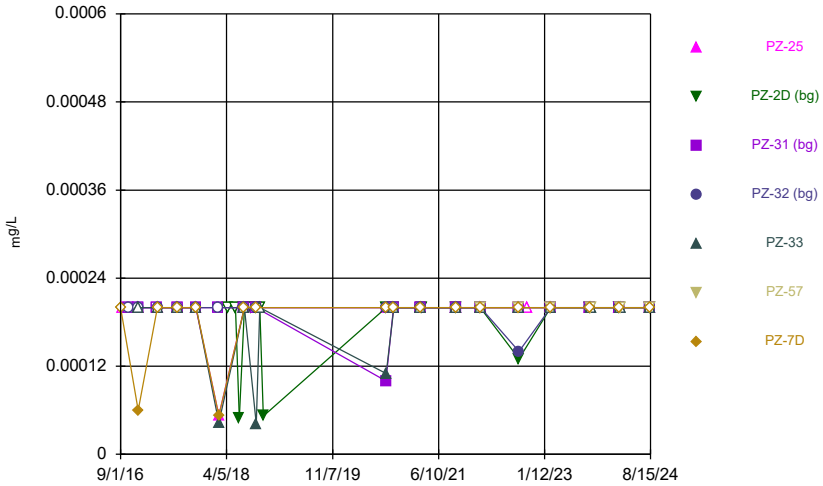
Time Series



Constituent: Mercury Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

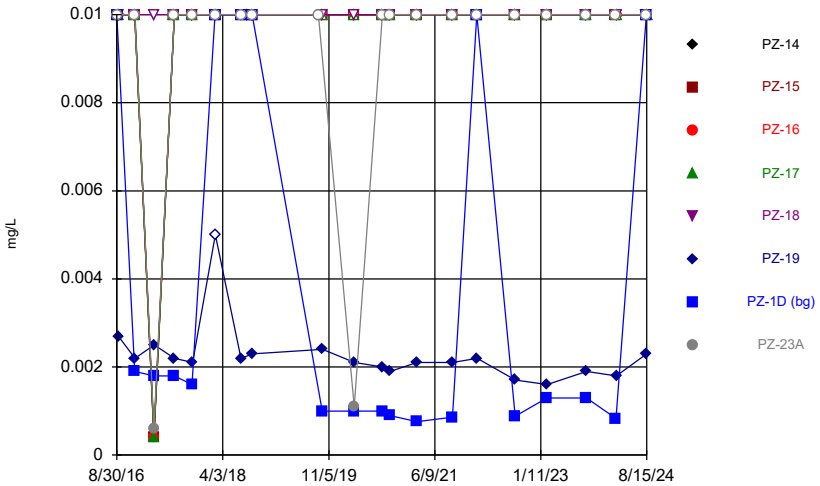
Time Series



Constituent: Mercury Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

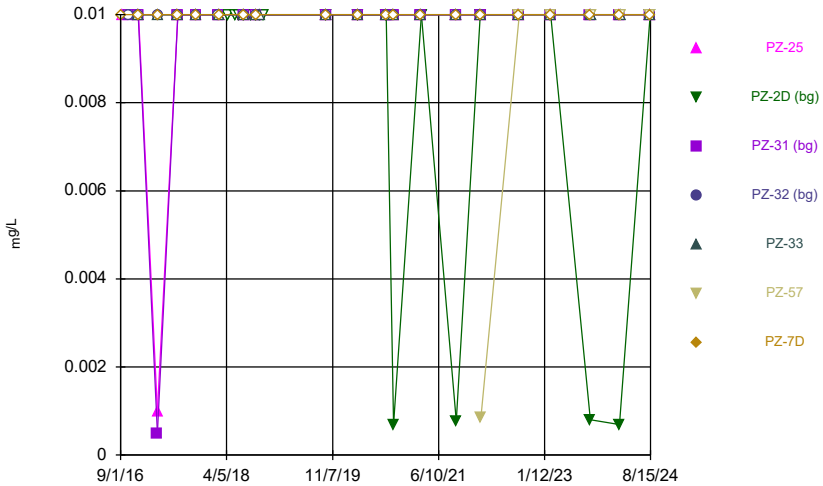
Time Series



Constituent: Molybdenum Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

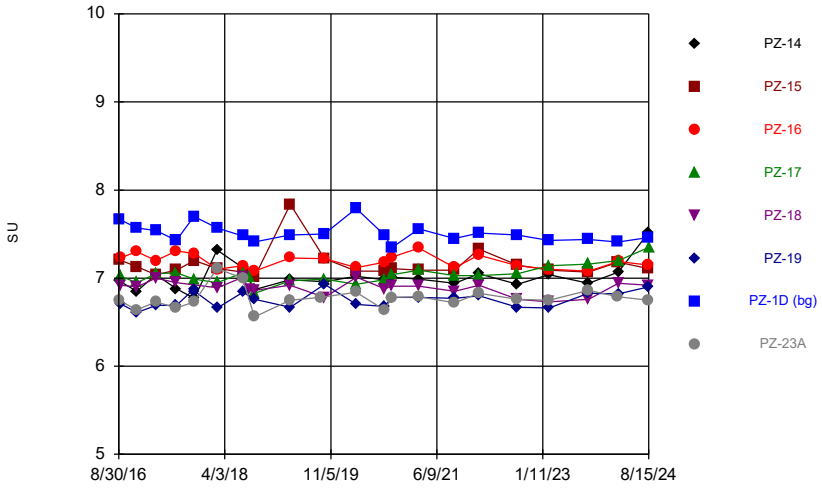
Time Series



Constituent: Molybdenum Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series

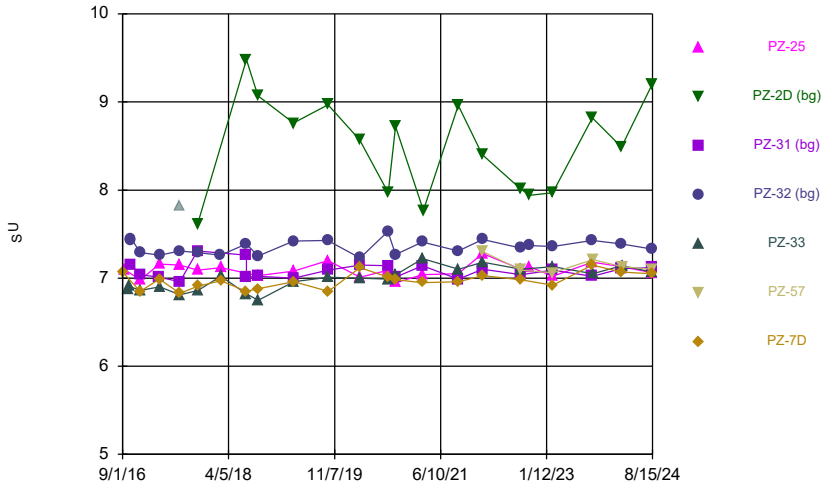


Constituent: pH Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



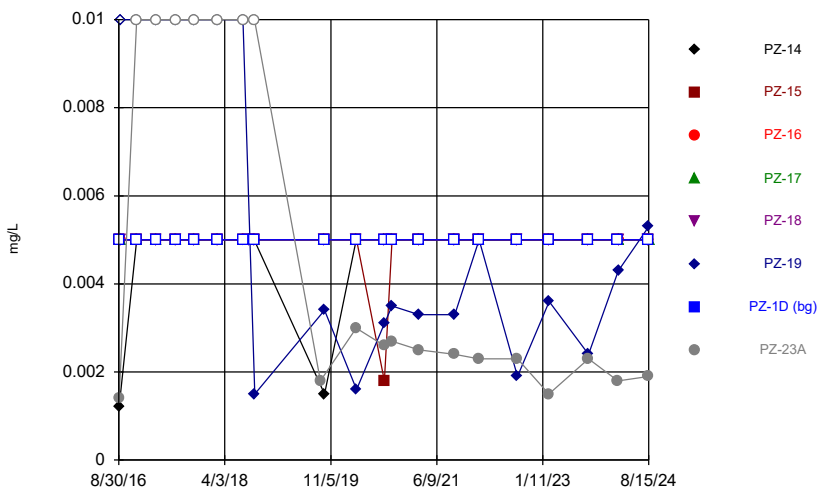
Constituent: pH Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



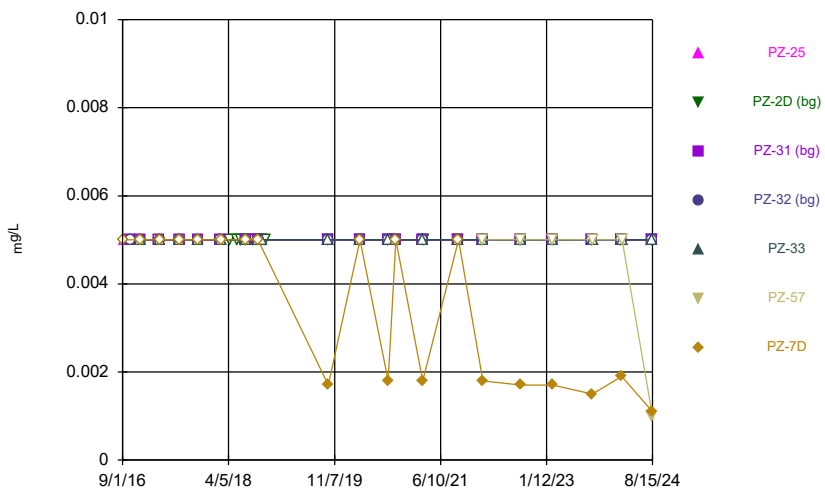
Constituent: Selenium Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

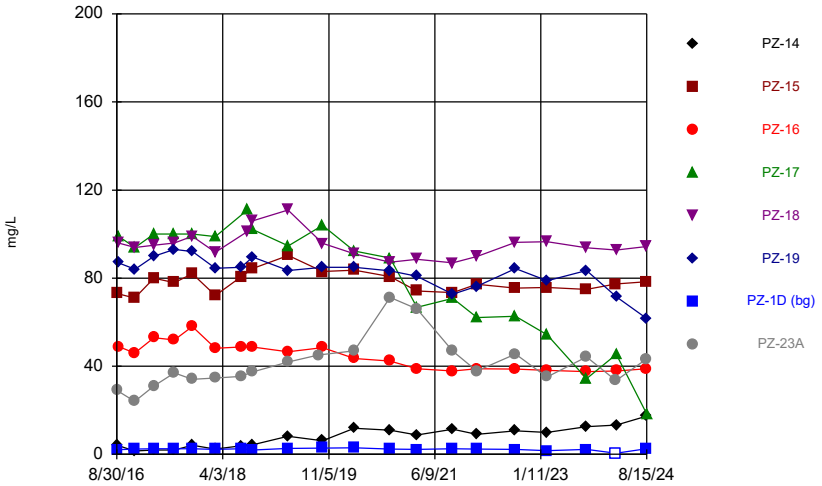


Constituent: Selenium Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

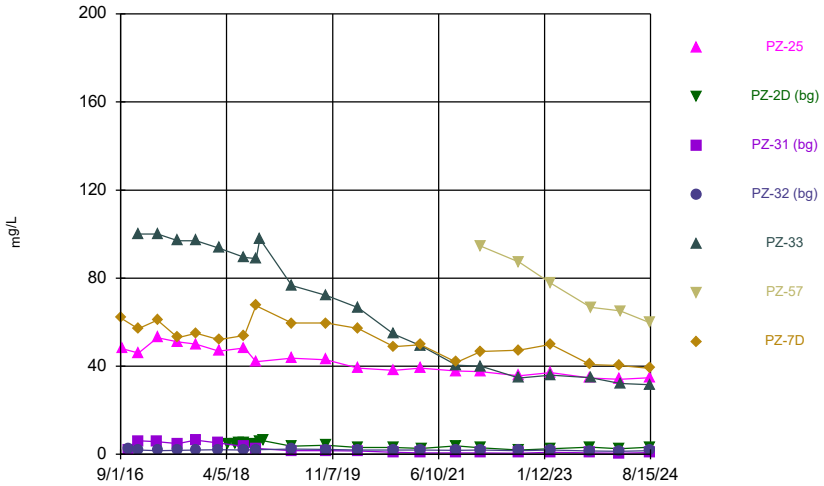
Time Series



Constituent: Sulfate Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

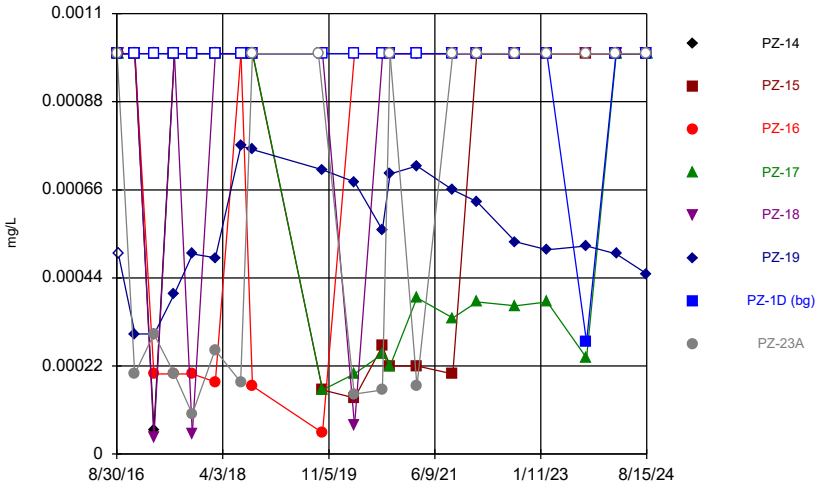
Time Series



Constituent: Sulfate Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

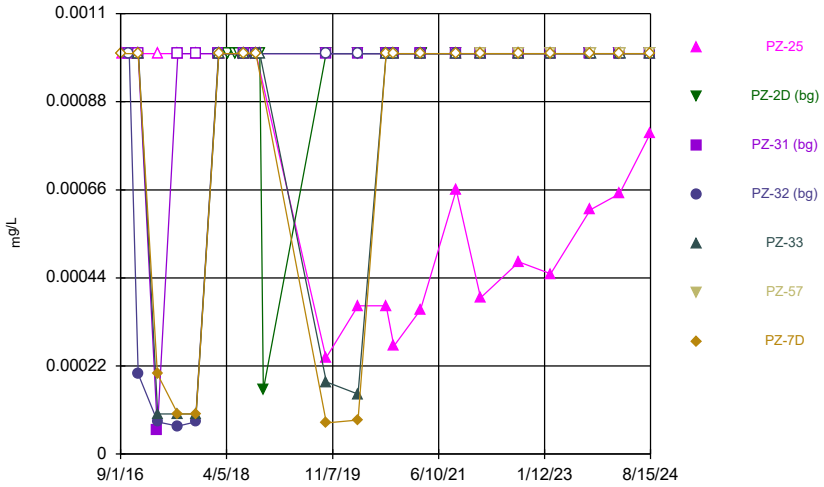
Time Series



Constituent: Thallium Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

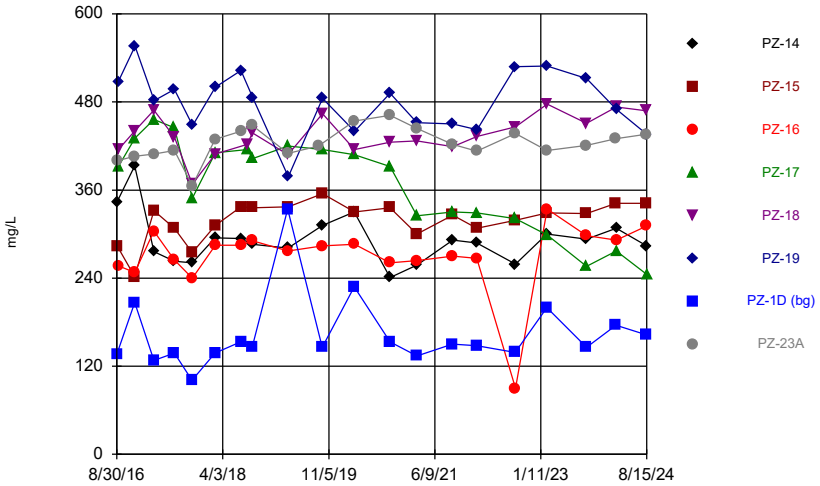
Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 9/24/2024 4:16 PM
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series

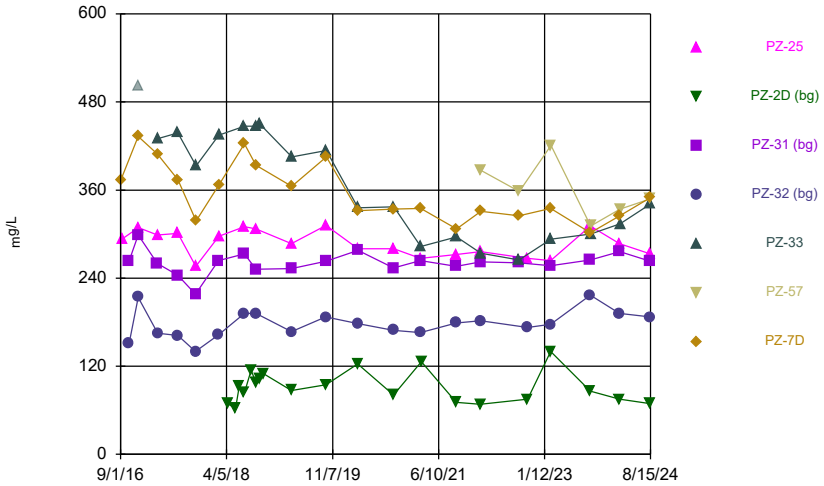


Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:16 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0009 (J)	
8/31/2016	<0.003							<0.003
9/1/2016		0.001 (J)						
9/6/2016			<0.003					
9/7/2016				<0.003	<0.003	<0.003		
12/6/2016							<0.003	
12/7/2016	<0.003	<0.003	<0.003					<0.003
12/8/2016				<0.003	<0.003	<0.003		
3/21/2017	0.0004 (J)						0.0028 (J)	<0.003
3/22/2017		<0.003	<0.003	<0.003	<0.003			
3/23/2017						<0.003		
7/11/2017	<0.003		<0.003				0.0035	<0.003
7/12/2017		<0.003		<0.003	<0.003	<0.003		
10/17/2017							0.0025 (J)	
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003
10/19/2017						<0.003		
2/20/2018	<0.003						0.00094 (J)	<0.003
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003		
7/11/2018	<0.003						0.0019 (J)	<0.003
7/12/2018		<0.003	<0.003			<0.003		
8/15/2018					<0.003			
8/16/2018				<0.003				
9/12/2018	<0.003						0.0019 (J)	
9/13/2018		<0.003	<0.003		<0.003			<0.003
9/14/2018				<0.003		<0.003		
9/10/2019								<0.003
10/1/2019							0.00076 (X)	
10/2/2019	<0.003	<0.003	<0.003	<0.003				
10/3/2019					<0.003	0.00044 (X)		
3/24/2020							0.00055 (J)	
3/25/2020	<0.003			0.00094 (J)				<0.003
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003		
8/25/2020							0.0012 (J)	
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003		0.00038 (J)
8/27/2020					<0.003			
10/6/2020	<0.003		<0.003				0.0021 (J)	<0.003
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003		
3/3/2021	<0.003					<0.003	0.00093 (J)	0.0017 (J)
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003			
9/14/2021							<0.003	
9/15/2021	<0.003	<0.003	<0.003					<0.003
9/16/2021				<0.003	<0.003	<0.003		
1/25/2022							<0.003	
1/26/2022	<0.003	<0.003	<0.003					<0.003
1/27/2022				<0.003	<0.003	<0.003		
8/24/2022							<0.003	
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
2/14/2023	<0.003						<0.003	<0.003
2/15/2023		<0.003	<0.003		<0.003	<0.003		
2/16/2023				<0.003				
9/19/2023			<0.003				<0.003	
9/20/2023	<0.003	<0.003		<0.003	0.004	<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.003					0.00059 (J)	<0.003
2/29/2024	<0.003		<0.003	0.00076 (J)	<0.003	<0.003		
8/13/2024							<0.003	
8/14/2024	<0.003	<0.003	<0.003		<0.003	<0.003		<0.003
8/15/2024				<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.003
9/8/2016	<0.003						
10/18/2016			0.0018 (J)	<0.003			
12/6/2016			<0.003				
12/7/2016				<0.003			<0.003
12/8/2016	<0.003				<0.003		
3/21/2017			<0.003				
3/22/2017	<0.003						<0.003
3/23/2017				<0.003	<0.003		
7/11/2017	<0.003		<0.003	<0.003			
7/12/2017					<0.003		<0.003
10/17/2017			<0.003	<0.003			
10/18/2017	<0.003						
10/19/2017					<0.003		<0.003
2/20/2018			<0.003	<0.003			
2/21/2018	<0.003				<0.003		<0.003
4/12/2018		<0.003					
5/23/2018		0.0017 (J)					
6/13/2018		0.0018 (J)					
7/11/2018		0.0024 (J)	<0.003	<0.003			
7/12/2018	<0.003				<0.003		<0.003
8/17/2018		0.00082 (J)					
9/12/2018		<0.003	<0.003				
9/13/2018	<0.003			<0.003			<0.003
9/14/2018					<0.003		
10/4/2018		<0.003			<0.003		
10/24/2018		0.00087 (J)					
10/1/2019				<0.003			
10/2/2019	<0.003	0.00042 (X)	<0.003				
10/3/2019					<0.003		0.00029 (X)
3/24/2020		0.00037 (J)					
3/25/2020	<0.003		<0.003	<0.003			
3/26/2020					<0.003		0.00042 (J)
8/25/2020			<0.003	<0.003			
8/26/2020	<0.003	0.0008 (J)			<0.003		0.00031 (J)
10/6/2020		0.0013 (J)	0.00045 (J)	<0.003			
10/7/2020	<0.003				0.00037 (J)		<0.003
3/3/2021	<0.003		<0.003	<0.003			
3/4/2021					<0.003		<0.003
3/8/2021		0.0003 (J)					
9/14/2021		0.0011 (J)		0.0012 (J)			
9/15/2021	<0.003		<0.003				
9/16/2021					<0.003		<0.003
1/25/2022		0.00098 (J)					
1/26/2022	<0.003		<0.003	<0.003			
1/27/2022					<0.003	<0.003	<0.003
8/24/2022	<0.003	0.0011 (J)	<0.003	0.001 (J)	0.00082 (J)		
8/25/2022							<0.003
8/26/2022						<0.003	
2/14/2023		0.0015 (J)	<0.003	<0.003			
2/15/2023	<0.003						<0.003
2/16/2023					<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	<0.003	<0.003	0.0042	<0.003			
9/20/2023							<0.003
9/21/2023					<0.003	<0.003	
2/27/2024	<0.003	0.00073 (J)		<0.003			
2/28/2024			0.0025 (J)				0.00089 (J)
2/29/2024					<0.003	<0.003	
8/13/2024	<0.003	<0.003	<0.003	<0.003			
8/15/2024					<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	<0.005							<0.005
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							<0.005	
12/7/2016	<0.005	<0.005	<0.005					<0.005
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.005						<0.005	<0.005
3/22/2017		0.0011 (J)	<0.005	0.0007 (J)	<0.005			
3/23/2017						0.0007 (J)		
7/11/2017	<0.005		<0.005				<0.005	<0.005
7/12/2017		0.0006 (J)		<0.005	<0.005	<0.005		
10/17/2017							<0.005	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
10/19/2017						<0.005		
2/20/2018	<0.005						<0.005	<0.005
2/21/2018		0.00089 (J)	<0.005	0.00072 (J)	<0.005	<0.005		
7/11/2018	<0.005						<0.005	<0.005
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				0.0007 (J)				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.005
9/14/2018				<0.005		<0.005		
9/10/2019								0.00036 (X)
10/1/2019							<0.005	
10/2/2019	0.00083 (X)	<0.005	<0.005	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							<0.005	
3/25/2020	<0.005			<0.005				<0.005
3/26/2020		<0.005	<0.005		<0.005	<0.005		
8/25/2020							<0.005	
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005		<0.005
8/27/2020					<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					<0.005
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					<0.005
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
2/14/2023	<0.005						<0.005	<0.005
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				
9/19/2023			<0.005				<0.005	
9/20/2023	<0.005	<0.005		<0.005	<0.005	<0.005		<0.005
2/28/2024		<0.005					<0.005	<0.005
2/29/2024	<0.005		<0.005	<0.005	<0.005	<0.005		
8/13/2024							<0.005	
8/14/2024	<0.005	<0.005	<0.005		<0.005	<0.005		0.00089 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/15/2024				<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	0.0017 (J)						
10/18/2016			<0.005	<0.005			
12/6/2016			<0.005				
12/7/2016				0.002 (J)			<0.005
12/8/2016	<0.005				<0.005		
3/21/2017			<0.005				
3/22/2017	0.001 (J)						<0.005
3/23/2017				<0.005	0.0007 (J)		
7/11/2017	<0.005		<0.005	<0.005			
7/12/2017					<0.005		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	<0.005						
10/19/2017					<0.005		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	0.00071 (J)				0.00094 (J)		<0.005
4/12/2018		0.00064 (J)					
5/23/2018		<0.005					
6/13/2018		0.0007 (J)					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	<0.005				<0.005		<0.005
8/17/2018		0.00062 (J)					
9/12/2018		<0.005	<0.005				
9/13/2018	<0.005			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		0.00068 (J)					
10/1/2019				<0.005			
10/2/2019	0.00063 (X)	0.0022 (X)	<0.005				
10/3/2019					<0.005		<0.005
3/24/2020		<0.005					
3/25/2020	<0.005		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	<0.005	<0.005			<0.005		<0.005
9/14/2021		0.0014 (J)		<0.005			
9/15/2021	<0.005		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		0.0014 (J)					
1/26/2022	<0.005		<0.005	<0.005			
1/27/2022					<0.005	<0.005	<0.005
8/24/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
8/25/2022							<0.005
8/26/2022						<0.005	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	<0.005						<0.005
2/16/2023					<0.005	<0.005	
9/19/2023	<0.005	<0.005	<0.005	<0.005			
9/20/2023							<0.005
9/21/2023					<0.005	<0.005	
2/27/2024	<0.005	<0.005		<0.005			
2/28/2024			<0.005				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/29/2024					<0.005	<0.005	
8/13/2024	<0.005	0.0012 (J)	<0.005	<0.005			
8/15/2024					0.0013 (J)	0.00086 (J)	0.0012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0335	
8/31/2016	0.0253							0.0407
9/1/2016		0.103						
9/6/2016			0.0794					
9/7/2016				0.0823	0.0717	0.067		
12/6/2016							0.0311	
12/7/2016	0.065	0.0781	0.0689					0.0581
12/8/2016				0.0668	0.0513	0.0522		
3/21/2017	0.0379						0.0305	0.0678
3/22/2017		0.0589	0.0423	0.0821	0.0273			
3/23/2017						0.0591		
7/11/2017	0.036		0.0467				0.0305	0.0574
7/12/2017		0.0613		0.0805	0.0269	0.0604		
10/17/2017							0.0255	
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258			0.0351
10/19/2017						0.0542		
2/20/2018	0.03						0.027	0.05
2/21/2018		0.076	0.046	0.073	0.029	0.058		
7/11/2018	0.027						0.032	0.051
7/12/2018		0.056	0.043			0.057		
8/15/2018					0.027			
8/16/2018				0.081				
9/12/2018	0.022						0.021	
9/13/2018		0.048	0.038		0.023			0.038
9/14/2018				0.081		0.058		
9/10/2019								0.029
10/1/2019							0.016	
10/2/2019	0.017	0.049	0.038	0.074				
10/3/2019					0.025	0.057		
3/24/2020							0.015	
3/25/2020	0.021			0.077				0.048
3/26/2020		0.048	0.034		0.023	0.052		
8/25/2020							0.014	
8/26/2020	0.016	0.053	0.036	0.077		0.049		0.039
8/27/2020					0.023			
10/6/2020	0.016		0.034				0.015	0.037
10/7/2020		0.049		0.074	0.023	0.054		
3/3/2021	0.017					0.055	0.015	0.039
3/4/2021		0.047	0.035	0.071	0.023			
9/14/2021							0.013	
9/15/2021	0.014	0.045	0.032					0.037
9/16/2021				0.064	0.022	0.053		
1/25/2022							0.014	
1/26/2022	0.016	0.055	0.034					0.039
1/27/2022				0.072	0.025	0.055		
8/24/2022							0.015	
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046		0.036
2/14/2023	0.014						0.02	0.033
2/15/2023		0.048	0.033		0.026	0.051		
2/16/2023				0.059				
9/19/2023			0.038				0.014	
9/20/2023	0.01	0.05		0.058	0.022	0.053		0.035

Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		0.058					0.017	0.036
2/29/2024	0.013		0.034	0.052	0.031	0.051		
8/13/2024							0.012	
8/14/2024	0.013	0.046	0.036		0.025	0.048		0.036
8/15/2024				0.045				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.0117
9/8/2016	0.102						
10/18/2016			0.0257	0.0248			
12/6/2016			0.113				
12/7/2016				0.0506			0.0133
12/8/2016	0.102				0.162 (o)		
3/21/2017			0.0226				
3/22/2017	0.0951						0.0114
3/23/2017				0.0175	0.0753		
7/11/2017	0.102		0.0139	0.0161			
7/12/2017					0.0756		0.0097 (J)
10/17/2017			0.0103	0.0158			
10/18/2017	0.0997						
10/19/2017					0.0681		0.0091 (J)
2/20/2018			0.015	0.015			
2/21/2018	0.11				0.085		0.0086 (J)
4/12/2018		<0.01					
5/23/2018		0.0042 (J)					
6/13/2018		0.012					
7/11/2018		0.0056 (J)	0.011	0.016			
7/12/2018	0.1				0.076		0.0093 (J)
8/17/2018		0.0069 (J)					
9/12/2018		0.011	0.0087 (J)				
9/13/2018	0.1			0.014			0.0078 (J)
9/14/2018					0.071		
10/4/2018		0.0066 (J)			0.072		
10/24/2018		0.0059 (J)					
10/1/2019				0.015			
10/2/2019	0.11	0.0046 (X)	0.0067 (X)				
10/3/2019					0.057		0.007 (X)
3/24/2020		0.0046 (J)					
3/25/2020	0.11		0.0082 (J)	0.015			
3/26/2020					0.057		0.0072 (J)
8/25/2020			0.0071 (J)	0.015			
8/26/2020	0.1	0.0051 (J)			0.051		0.007 (J)
10/6/2020		0.0039 (J)	0.0075 (J)	0.015			
10/7/2020	0.11				0.048		0.0061 (J)
3/3/2021	0.12		0.0069	0.013			
3/4/2021					0.047		0.0061
3/8/2021		0.0065					
9/14/2021		0.0041 (J)		0.014			
9/15/2021	0.11		0.0066				
9/16/2021					0.039		0.0062
1/25/2022		0.0037 (J)					
1/26/2022	0.11		0.0075	0.014			
1/27/2022					0.043	0.14	0.0068
8/24/2022	0.1	0.01	0.0063	0.019	0.038		
8/25/2022							0.0058
8/26/2022						0.064	
2/14/2023		0.0055	0.0071	0.014			
2/15/2023	0.1						0.006
2/16/2023					0.04	0.063	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	0.11	0.0027 (J)	0.0071	0.015			
9/20/2023							0.0059
9/21/2023					0.041	0.062	
2/27/2024	0.13	0.0035 (J)		0.015			
2/28/2024			0.0079				0.006
2/29/2024					0.039	0.052	
8/13/2024	0.11	0.0025 (J)	0.0071	0.014			
8/15/2024					0.041	0.048	0.0055

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							<0.0005
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					<0.0005
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005			<0.0005		
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						6.1E-05 (J)	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
2/14/2023	<0.0005						<0.0005	<0.0005
2/15/2023		<0.0005	<0.0005		<0.0005	<0.0005		
2/16/2023				<0.0005				
9/19/2023			<0.0005				<0.0005	
9/20/2023	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005
2/28/2024		<0.0005					<0.0005	<0.0005
2/29/2024	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
8/13/2024							<0.0005	
8/14/2024	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005
8/15/2024				<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0005
9/8/2016	<0.0005						
10/18/2016			<0.0005	<0.0005			
12/6/2016			<0.0005				
12/7/2016				<0.0005			<0.0005
12/8/2016	<0.0005				<0.0005		
3/21/2017			<0.0005				
3/22/2017	<0.0005						<0.0005
3/23/2017				<0.0005	<0.0005		
7/11/2017	<0.0005		<0.0005	<0.0005			
7/12/2017					<0.0005		<0.0005
10/17/2017			<0.0005	<0.0005			
10/18/2017	<0.0005						
10/19/2017					<0.0005		<0.0005
2/20/2018			<0.0005	<0.0005			
2/21/2018	<0.0005				<0.0005		<0.0005
4/12/2018		<0.0005					
5/23/2018		<0.0005					
6/13/2018		<0.0005					
7/11/2018		<0.0005	<0.0005	<0.0005			
7/12/2018	<0.0005				<0.0005		<0.0005
8/17/2018		<0.0005					
9/12/2018		<0.0005	<0.0005				
9/13/2018	<0.0005			<0.0005			<0.0005
9/14/2018					<0.0005		
10/4/2018		<0.0005			<0.0005		
10/24/2018		6E-05 (J)					
8/25/2020			<0.0005	<0.0005			
8/26/2020	<0.0005	<0.0005			<0.0005		<0.0005
9/14/2021		<0.0005		<0.0005			
9/15/2021	<0.0005		<0.0005				
9/16/2021					<0.0005		<0.0005
1/25/2022		<0.0005					
1/26/2022	<0.0005		<0.0005	<0.0005			
1/27/2022					<0.0005	<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/25/2022							<0.0005
8/26/2022						<0.0005	
2/14/2023		<0.0005	<0.0005	<0.0005			
2/15/2023	<0.0005						<0.0005
2/16/2023					<0.0005	<0.0005	
9/19/2023	<0.0005	<0.0005	<0.0005	<0.0005			
9/20/2023							<0.0005
9/21/2023					<0.0005	<0.0005	
2/27/2024	<0.0005	<0.0005		<0.0005			
2/28/2024			<0.0005				<0.0005
2/29/2024					<0.0005	<0.0005	
8/13/2024	<0.0005	<0.0005	<0.0005	<0.0005			
8/15/2024					<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0132 (J)	
8/31/2016	0.0285 (J)							0.166
9/1/2016		0.215						
9/6/2016			0.17					
9/7/2016				0.276	0.355	0.573		
12/6/2016							0.0096 (J)	
12/7/2016	0.0292 (J)	0.224	0.173					0.182
12/8/2016				0.303	0.351	0.588		
3/21/2017	0.0198 (J)						0.0082 (J)	0.172
3/22/2017		0.205	0.218	0.342	0.405			
3/23/2017						0.703		
7/11/2017	0.0137 (J)		0.18				0.0067 (J)	0.149
7/12/2017		0.184		0.278	0.35	0.598		
10/17/2017							0.0083 (J)	
10/18/2017	0.0212 (J)	0.197	0.195	0.277	0.37			0.158
10/19/2017						0.66		
2/20/2018	0.026 (J)						0.024 (J)	0.16
2/21/2018		0.21	0.21	0.29	0.33	0.6		
7/11/2018	0.026 (J)						0.017 (J)	0.17
7/12/2018		0.23	0.21			0.64		
8/15/2018					0.37			
8/16/2018				0.33				
9/12/2018	0.02 (J)						0.012 (J)	
9/13/2018		0.22	0.21		0.37			0.16
9/14/2018				0.31		0.57		
3/26/2019							0.0082	
3/27/2019	0.023		0.21		0.41			0.18
3/28/2019		0.22		0.34		0.7		
9/10/2019								0.15
10/1/2019							0.0064 (X)	
10/2/2019	0.021 (X)	0.17	0.19	0.28				
10/3/2019					0.35	0.52		
3/24/2020							0.013 (J)	
3/25/2020	0.027 (J)			0.33				0.19
3/26/2020		0.21	0.19		0.36	0.6		
10/6/2020	0.026 (J)		0.19				0.015 (J)	0.16
10/7/2020		0.19		0.3	0.39	0.52		
3/3/2021	0.028 (J)					0.5	0.01 (J)	0.16
3/4/2021		0.16	0.2	0.22	0.37			
9/14/2021							<0.04	
9/15/2021	0.022 (J)	0.16	0.16					0.15
9/16/2021				0.22	0.31	0.46		
1/25/2022							0.01 (J)	
1/26/2022	0.022 (J)	0.22	0.19					0.14
1/27/2022				0.21	0.4	0.55		
8/24/2022							0.011 (J)	
8/25/2022	0.032 (J)	0.21	0.24	0.19 (J)	0.39	0.58		0.17 (J)
2/14/2023	0.023 (J)						0.011 (J)	0.13
2/15/2023		0.21	0.19		0.35	0.54		
2/16/2023				0.15				
9/19/2023			0.19				0.024 (J)	
9/20/2023	0.027 (J)	0.18		0.1	0.41	0.62		0.15

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		0.2					0.016 (J)	0.12
2/29/2024	0.03 (J)		0.18	0.13	0.35	0.43		
8/13/2024							<0.04	
8/14/2024	0.035 (J)	0.18	0.19		0.37	0.35		0.16
8/15/2024				0.053				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.379
9/8/2016	0.204						
10/5/2016					0.404		
10/10/2016					0.401		
10/18/2016			0.0174 (J)	0.0156 (J)			
12/6/2016			0.0133 (J)				
12/7/2016				0.0157 (J)			0.394
12/8/2016	0.216				0.375		
3/21/2017			0.0103 (J)				
3/22/2017	0.247						0.365
3/23/2017				0.0103 (J)	0.396		
7/11/2017	0.194		<0.04	<0.04			
7/12/2017					0.343		0.267
10/17/2017			0.0116 (J)	0.0142 (J)			
10/18/2017	0.186						
10/19/2017					0.413		0.326
2/20/2018			0.046 (J)	0.011 (J)			
2/21/2018	0.22				0.36		0.29
4/12/2018		0.016 (J)					
5/23/2018		0.018 (J)					
6/13/2018		0.014 (J)					
7/11/2018		0.017 (J)	0.014 (J)	0.014 (J)			
7/12/2018	0.22				0.41		0.32
8/17/2018		0.015 (J)					
9/12/2018		0.013 (J)	0.0098 (J)				
9/13/2018	0.2			0.013 (J)			0.31
9/14/2018					0.38		
10/4/2018		0.016 (J)			0.39		
10/24/2018		0.018 (J)					
3/26/2019			0.0076				
3/27/2019	0.22	0.016		0.012			
3/28/2019					0.39		0.33
10/1/2019				0.011 (X)			
10/2/2019	0.21	0.011 (X)	0.0084 (X)				
10/3/2019					0.36		0.24
3/24/2020		0.015 (J)					
3/25/2020	0.21		0.011 (J)	0.016 (J)			
3/26/2020					0.38		0.24
10/6/2020		0.018 (J)	0.011 (J)	0.015 (J)			
10/7/2020	0.18				0.35		0.2
3/3/2021	0.2		0.0087 (J)	0.022 (J)			
3/4/2021					0.34		0.2
3/8/2021		0.013 (J)					
9/14/2021		0.011 (J)		0.012 (J)			
9/15/2021	0.17		<0.04				
9/16/2021					0.31		0.18
1/25/2022		0.013 (J)					
1/26/2022	0.2		<0.04	0.01 (J)			
1/27/2022					0.36	0.19	0.23
8/24/2022	0.19	0.012 (J)	<0.04	0.022 (J)	0.32		
8/25/2022							0.2
8/26/2022						0.18	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/14/2023		0.01 (J)	<0.04	0.012 (J)			
2/15/2023	0.17						0.21
2/16/2023					0.31	0.16	
9/19/2023	0.18	0.011 (J)	0.022 (J)	0.011 (J)			
9/20/2023							0.19
9/21/2023					0.45	0.2	
2/27/2024	0.17	<0.04		<0.04			
2/28/2024			0.016 (J)				0.17
2/29/2024					0.32	0.17	
8/13/2024	0.18	0.017 (J)	<0.04	0.017 (J)			
8/15/2024					0.35	0.18	0.19

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0005	
8/31/2016	<0.0005							0.0002 (J)
9/1/2016		<0.0005						
9/6/2016			<0.0005					
9/7/2016				<0.0005	<0.0005	<0.0005		
12/6/2016							<0.0005	
12/7/2016	<0.0005	<0.0005	<0.0005					0.0002 (J)
12/8/2016				<0.0005	<0.0005	<0.0005		
3/21/2017	<0.0005						<0.0005	<0.0005
3/22/2017		<0.0005	<0.0005	<0.0005	<0.0005			
3/23/2017						<0.0005		
7/11/2017	<0.0005		<0.0005				<0.0005	<0.0005
7/12/2017		<0.0005		<0.0005	<0.0005	<0.0005		
10/17/2017							<0.0005	
10/18/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
10/19/2017						<0.0005		
2/20/2018	<0.0005						<0.0005	<0.0005
2/21/2018		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
7/11/2018	<0.0005						<0.0005	<0.0005
7/12/2018		<0.0005	<0.0005			<0.0005		
8/15/2018					<0.0005			
8/16/2018				<0.0005				
9/12/2018	<0.0005						<0.0005	
9/13/2018		<0.0005	<0.0005		<0.0005			<0.0005
9/14/2018				<0.0005		<0.0005		
8/25/2020							<0.0005	
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		<0.0005
8/27/2020					<0.0005			
9/14/2021							<0.0005	
9/15/2021	<0.0005	<0.0005	<0.0005					<0.0005
9/16/2021				<0.0005	<0.0005	<0.0005		
1/25/2022							<0.0005	
1/26/2022	<0.0005	<0.0005	<0.0005					<0.0005
1/27/2022				<0.0005	<0.0005	<0.0005		
8/24/2022							<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
2/14/2023	<0.0005						<0.0005	<0.0005
2/15/2023		<0.0005	<0.0005		<0.0005	<0.0005		
2/16/2023				<0.0005				
9/19/2023			<0.0005				<0.0005	
9/20/2023	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005
2/28/2024		<0.0005					<0.0005	<0.0005
2/29/2024	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
8/13/2024							<0.0005	
8/14/2024	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005
8/15/2024				<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0005
9/8/2016	<0.0005						
10/18/2016			<0.0005	<0.0005			
12/6/2016			<0.0005				
12/7/2016				<0.0005			<0.0005
12/8/2016	<0.0005				<0.0005		
3/21/2017			<0.0005				
3/22/2017	<0.0005						<0.0005
3/23/2017				<0.0005	0.0001 (J)		
7/11/2017	<0.0005		<0.0005	<0.0005			
7/12/2017					<0.0005		<0.0005
10/17/2017			<0.0005	<0.0005			
10/18/2017	<0.0005						
10/19/2017					<0.0005		<0.0005
2/20/2018			<0.0005	<0.0005			
2/21/2018	<0.0005				<0.0005		<0.0005
4/12/2018		<0.0005					
5/23/2018		<0.0005					
6/13/2018		<0.0005					
7/11/2018		<0.0005	<0.0005	<0.0005			
7/12/2018	<0.0005				<0.0005		<0.0005
8/17/2018		<0.0005					
9/12/2018		<0.0005	<0.0005				
9/13/2018	<0.0005			<0.0005			<0.0005
9/14/2018					<0.0005		
10/4/2018		<0.0005			<0.0005		
10/24/2018		<0.0005					
8/25/2020			<0.0005	<0.0005			
8/26/2020	<0.0005	<0.0005			<0.0005		<0.0005
9/14/2021		<0.0005		<0.0005			
9/15/2021	<0.0005		<0.0005				
9/16/2021					<0.0005		<0.0005
1/25/2022		<0.0005					
1/26/2022	<0.0005		<0.0005	<0.0005			
1/27/2022					<0.0005	<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/25/2022							<0.0005
8/26/2022						<0.0005	
2/14/2023		<0.0005	<0.0005	<0.0005			
2/15/2023	<0.0005						<0.0005
2/16/2023					<0.0005	<0.0005	
9/19/2023	<0.0005	<0.0005	<0.0005	<0.0005			
9/20/2023							<0.0005
9/21/2023					<0.0005	<0.0005	
2/27/2024	<0.0005	<0.0005		<0.0005			
2/28/2024			<0.0005				<0.0005
2/29/2024					<0.0005	<0.0005	
8/13/2024	<0.0005	<0.0005	<0.0005	<0.0005			
8/15/2024					<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							40.4	
8/31/2016	92.9							132
9/1/2016		74.8						
9/6/2016			74.6					
9/7/2016				100	112	138		
12/6/2016							43.3	
12/7/2016	93.1	74	68.9					125
12/8/2016				102	113	135		
3/21/2017	95						44.1	138
3/22/2017		99.3	77.8	113	122			
3/23/2017						137		
7/11/2017	97.1		77.3				47.4	139
7/12/2017		91.4		110	129	145		
10/17/2017							48.7	
10/18/2017	100	92	84.7	122	125			144
10/19/2017						140		
2/20/2018	93.1						46.8	142
2/21/2018		89	81.8	107	118	145		
7/11/2018	111						65.3 (o)	159
7/12/2018		94.5	85.2			140		
8/15/2018					123			
8/16/2018				113				
9/12/2018	99.3						46.6	
9/13/2018		90.8	80.2		123			136
9/14/2018				108		124		
3/26/2019							43.3	
3/27/2019	105		90.5		134			152
3/28/2019		100		123		164		
9/10/2019								137
10/1/2019							46.8	
10/2/2019	103	101	89.1	115				
10/3/2019					139	125		
3/24/2020							48	
3/25/2020	105			121				157
3/26/2020		103	89.8		138	158		
10/6/2020	111		84				50.5	144
10/7/2020		93.5		112	129	144		
3/3/2021	114					142	54.7	154
3/4/2021		107	90.9	113	138			
9/14/2021							51	
9/15/2021	106	94	91					147
9/16/2021				102	135	137		
1/25/2022							53.1	
1/26/2022	114	100	90.1					152
1/27/2022				104	142	133		
8/24/2022							45.8	
8/25/2022	108	96.7	92	99.5	141	156		145
2/14/2023	103						56.2	139
2/15/2023		98.1	88.5		164 (M1)	144		
2/16/2023				94.1				
9/19/2023			83.3				44.7	
9/20/2023	98.2	89.3		73.3	129	143		131

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		95.4					55	144
2/29/2024	103		89.9	87.8	152	146		
8/13/2024							48.5	
8/14/2024	100	98	97.5		139	118		141
8/15/2024				71.2				

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							101
9/8/2016	85.2						
10/18/2016			88.3	57.2			
12/6/2016			83.4				
12/7/2016				52.8			103
12/8/2016	84.5				117		
3/21/2017			94				
3/22/2017	85.3						111
3/23/2017				59.1	122		
7/11/2017	93		86	59.7			
7/12/2017					124		119
10/17/2017			91.6	64.9			
10/18/2017	87.6						
10/19/2017					118		107
2/20/2018			86.5	64.1			
2/21/2018	93.9				122		118
4/12/2018		<25					
5/23/2018		17.6 (J)					
6/13/2018		14.3					
7/11/2018		15.6	95.4	60.4			
7/12/2018	87.1				129		121
8/17/2018		27					
9/12/2018		26.9	86				
9/13/2018	85.8			58.7			116
9/14/2018					123		
10/4/2018		25			126		
10/24/2018		23.8					
3/26/2019			87.3				
3/27/2019	95.2	26.1		54.6			
3/28/2019					117		124
10/1/2019				64.3			
10/2/2019	92.3	21	95.5				
10/3/2019					110		127
3/24/2020		26.5					
3/25/2020	97.5		95.8	66.6			
3/26/2020					122		122
10/6/2020		22.7	98.8	62.8			
10/7/2020	84.2				94.7		109
3/3/2021	96.8		104	64.8 (M1)			
3/4/2021					106		122
3/8/2021		41.7					
9/14/2021		13.4		67.8			
9/15/2021	84.4		101				
9/16/2021					92		109
1/25/2022		20.7					
1/26/2022	90.2		102	69.2			
1/27/2022					92.5	106	112
8/24/2022	87.6	27.3	95.2	67.1	96.5		
8/25/2022							107
8/26/2022						95.5	
2/14/2023		30.2	99.9	69.3			
2/15/2023	86.9						114

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					92.2 (M1)	91.6	
9/19/2023	80.3	13.7	86.9	64.6			
9/20/2023							94.3
9/21/2023					81.4	79.5	
2/27/2024	94.6	19.2		67.5			
2/28/2024			99.9				104
2/29/2024					100	101	
8/13/2024	88.7	14.5	93.2	67.6			
8/15/2024					99.2	98.3	104

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							3.1	
8/31/2016	4.9							5.1
9/1/2016		7						
9/6/2016			7.9					
9/7/2016				7.7	6.9	6.8		
12/6/2016							3.4	
12/7/2016	4.8	7	7.6					5.2
12/8/2016				7.2	6.8	6.6		
3/21/2017	4.9						2.9	5.5
3/22/2017		7.4	7.7	7.3	6.8			
3/23/2017						6.6		
7/11/2017	5		8.1				3.4	5.7
7/12/2017		8		7.4	6.7	6.6		
10/17/2017							3.3	
10/18/2017	5.1	7.8	8.2	7.6	6.8			5.1
10/19/2017						6.5		
2/20/2018	5.1						3.3	5.5
2/21/2018		7.2	7.3	7.4	7.1	7.6		
7/11/2018	4.9						2.9	5.1
7/12/2018		7.5	7.2			6.3		
8/15/2018					6.7			
8/16/2018				7.5				
9/12/2018	4.8						2.8	
9/13/2018		6.8	7.3		6.7			5
9/14/2018				7.7		6.1		
3/26/2019							3.3	
3/27/2019	5.2		7.3		6.5			4.7
3/28/2019		7.4		7.3		6.4		
9/10/2019								3.8
10/1/2019							3.6	
10/2/2019	5.4	8	7.7	7.9				
10/3/2019					7	5.6		
3/24/2020							2.8	
3/25/2020	4.2			6.1				6.4
3/26/2020		7	7		5.7	5.4		
10/6/2020	4.4		6.4				3	7
10/7/2020		6.6		5.7	5	4.5		
3/3/2021	4.2					4	2.8	4.7
3/4/2021		6.3	5.9	4.2	5.1			
9/14/2021							2.9	
9/15/2021	3.9	5.8	5.6					2.8
9/16/2021				4.2	4.7	3.5		
1/25/2022							2.9	
1/26/2022	4.4	6.3	6.1					3.6
1/27/2022				3.8	4.9	3.7		
8/24/2022							2.6	
8/25/2022	4.6	6.4	6.3	3.9	4.6	4.6		3.2
2/14/2023	4.5						3	3.8
2/15/2023		6.2	6.2		4.5	4.1		
2/16/2023				3.1				
9/19/2023			5.9				2.9	
9/20/2023	4.3	6.2		2.1	4.2	4.1		2.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		5.9					2.8	3.6
2/29/2024	4.3		5.9	2.4	4.1	3.3		
8/13/2024							2.9	
8/14/2024	4.4	6.1	5.9		4.2	2.5		2.8
8/15/2024				1.3				

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							7.4
9/8/2016	4						
10/18/2016			4.5	3.5			
12/6/2016			5				
12/7/2016				3.2			7.6
12/8/2016	3.6				6.9		
3/21/2017			4.3				
3/22/2017	3.3						7.2
3/23/2017				2.9	6.2		
7/11/2017	3		4.7	3.1			
7/12/2017					6		7.3
10/17/2017			4.6	3			
10/18/2017	2.9						
10/19/2017					6.4		7.4
2/20/2018			4.4	3			
2/21/2018	2.9				6.9		7.6
4/12/2018		2.6					
5/23/2018		2.5					
6/13/2018		2.5					
7/11/2018		2.6	4	2.8			
7/12/2018	2.6				7.3		7.1
8/17/2018		2.6					
9/12/2018		2.3	3.7				
9/13/2018	2.3			2.2			6.6
9/14/2018					7.3		
10/4/2018		2.7			7		
10/24/2018		2.8					
3/26/2019			3.8				
3/27/2019	2.4	2.5		3.1			
3/28/2019					4.8		6.4
10/1/2019				3.1			
10/2/2019	2.6	2.7	4.3				
10/3/2019					4.1		5.9
3/24/2020		2.2					
3/25/2020	1.6		3	2.2			
3/26/2020					2.9		4.8
10/6/2020		2.3	3.4	2.3			
10/7/2020	1.8				2		3.9
3/3/2021	1.6		3.1	2.2			
3/4/2021					1.8		4
3/8/2021		2.4					
9/14/2021		2.5		2.2			
9/15/2021	1.8		2.8				
9/16/2021					1.5		3.3
1/25/2022		2.4					
1/26/2022	1.7		3.2	2.4			
1/27/2022					1.8	3.2	3.8
8/24/2022	1.8	2.1	3	2.7	1.8		
8/25/2022							4.1
8/26/2022						2.4	
2/14/2023		2.6	3.3	2.7			
2/15/2023	1.8						4.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					2.3	2.2	
9/19/2023	1.6	2.3	3.4	2.6			
9/20/2023							3.4
9/21/2023					2.8	2	
2/27/2024	1.5	2.4		2.5			
2/28/2024			3.1				3.3
2/29/2024					2.7	1.9	
8/13/2024	1.6	2.4	3.2	2.5			
8/15/2024					2.9	2	3.3

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.0039 (J)	
8/31/2016	<0.005							<0.005
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.005		
12/6/2016							0.0047 (J)	
12/7/2016	<0.005	<0.005	<0.005					<0.005
12/8/2016				<0.005	<0.005	<0.005		
3/21/2017	<0.005						0.0047 (J)	0.0009 (J)
3/22/2017		<0.005	0.0008 (J)	<0.005	<0.005			
3/23/2017						<0.005		
7/11/2017	<0.005		<0.005				0.0054 (J)	0.0016 (J)
7/12/2017		<0.005		<0.005	<0.005	<0.005		
10/17/2017							0.0053 (J)	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			0.0019 (J)
10/19/2017						<0.005		
2/20/2018	<0.005						0.0029 (J)	<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.005						0.0057 (J)	0.0021 (J)
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						0.0033 (J)	
9/13/2018		<0.005	<0.005		<0.005			0.0022 (J)
9/14/2018				<0.005		<0.005		
9/10/2019								0.0044 (X)
10/1/2019							0.0022 (X)	
10/2/2019	<0.005	<0.005	0.00044 (X)	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							0.0036 (J)	
3/25/2020	0.0013 (J)			<0.005				0.0012 (J)
3/26/2020		<0.005	0.0013 (J)		0.00056 (J)	0.00073 (J)		
8/25/2020							0.003 (J)	
8/26/2020	0.0011 (J)	<0.005	0.00087 (J)	<0.005		<0.005		0.0014 (J)
8/27/2020					<0.005			
10/6/2020	0.00098 (J)		0.0011 (J)				0.0021 (J)	0.0015 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005		
3/3/2021	0.00097 (J)					<0.005	0.0018 (J)	0.0015 (J)
3/4/2021		<0.005	0.0012 (J)	<0.005	<0.005			
9/14/2021							0.002 (J)	
9/15/2021	0.0014 (J)	<0.005	0.0011 (J)					0.0019 (J)
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							0.0025 (J)	
1/26/2022	0.0012 (J)	<0.005	0.0013 (J)					0.0028 (J)
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							0.0025 (J)	
8/25/2022	0.0014 (J)	<0.005	0.0012 (J)	<0.005	<0.005	<0.005		0.0022 (J)
2/14/2023	0.0018 (J)						0.0015 (J)	0.0024 (J)
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				
9/19/2023			<0.005				0.0015 (J)	
9/20/2023	0.002 (J)	<0.005		<0.005	<0.005	<0.005		0.002 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.005					<0.005	0.002 (J)
2/29/2024	<0.005		<0.005	<0.005	<0.005	<0.005		
8/13/2024							<0.005	
8/14/2024	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005
8/15/2024				<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.01
9/8/2016	<0.005						
10/18/2016			<0.005	<0.005			
12/6/2016			<0.005				
12/7/2016				<0.005			0.003 (J)
12/8/2016	<0.005				<0.005		
3/21/2017			0.0006 (J)				
3/22/2017	<0.005						0.0005 (J)
3/23/2017				0.0005 (J)	0.0017 (J)		
7/11/2017	<0.005		0.0006 (J)	<0.005			
7/12/2017					<0.005		<0.01
10/17/2017			0.0008 (J)	0.0005 (J)			
10/18/2017	<0.005						
10/19/2017					<0.005		0.0005 (J)
2/20/2018			<0.005	<0.005			
2/21/2018	<0.005				<0.005		<0.01
4/12/2018		0.01					
5/23/2018		0.011					
6/13/2018		0.011					
7/11/2018		0.0096 (J)	<0.005	<0.005			
7/12/2018	<0.005				<0.005		<0.01
8/17/2018		0.0078 (J)					
9/12/2018		0.0056 (J)	<0.005				
9/13/2018	<0.005			<0.005			<0.01
9/14/2018					<0.005		
10/4/2018		0.0057 (J)			<0.005		
10/24/2018		0.0058 (J)					
10/1/2019				<0.005			
10/2/2019	<0.005	0.0049 (X)	0.00043 (X)				
10/3/2019					<0.005		0.0004 (X)
3/24/2020		0.0047 (J)					
3/25/2020	<0.005		0.0013 (J)	0.00086 (J)			
3/26/2020					<0.005		0.0016 (J)
8/25/2020			0.0011 (J)	0.001 (J)			
8/26/2020	<0.005	0.004 (J)			<0.005		0.0011 (J)
10/6/2020		0.0065 (J)	0.0013 (J)	0.00072 (J)			
10/7/2020	<0.005				<0.005		0.0014 (J)
3/3/2021	<0.005		0.0015 (J)	<0.005			
3/4/2021					<0.005		0.0024 (J)
3/8/2021		0.0028 (J)					
9/14/2021		0.0084		<0.005			
9/15/2021	<0.005		0.0014 (J)				
9/16/2021					<0.005		0.0025 (J)
1/25/2022		0.0098					
1/26/2022	<0.005		0.0015 (J)	<0.005			
1/27/2022					<0.005	<0.005	0.0034 (J)
8/24/2022	<0.005	0.0066	0.0015 (J)	<0.005	<0.005		
8/25/2022							0.0024 (J)
8/26/2022						<0.005	
2/14/2023		0.0041 (J)	0.0011 (J)	<0.005			
2/15/2023	<0.005						0.0034 (J)
2/16/2023					<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	<0.005	0.0071	0.0012 (J)	<0.005			
9/20/2023							0.0022 (J)
9/21/2023					<0.005	0.0013 (J)	
2/27/2024	<0.005	0.009		<0.005			
2/28/2024			<0.005				0.0025 (J)
2/29/2024					<0.005	0.0032 (J)	
8/13/2024	<0.005	0.0079	<0.005	<0.005			
8/15/2024					<0.005	0.0044 (J)	0.0026 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	<0.005							<0.005
9/1/2016		0.0012 (J)						
9/6/2016			0.0005 (J)					
9/7/2016				0.0011 (J)	0.0011 (J)	0.0012 (J)		
12/6/2016							<0.005	
12/7/2016	0.002 (J)	0.0005 (J)	<0.005					0.0008 (J)
12/8/2016				0.0006 (J)	<0.005	0.0009 (J)		
3/21/2017	<0.005						<0.005	<0.005
3/22/2017		0.0005 (J)	<0.005	0.0006 (J)	<0.005			
3/23/2017						<0.005		
7/11/2017	0.0003 (J)		<0.005				<0.005	<0.005
7/12/2017		0.0004 (J)		0.0005 (J)	<0.005	<0.005		
10/17/2017							<0.005	
10/18/2017	<0.005	0.0004 (J)	<0.005	0.0005 (J)	<0.005			<0.005
10/19/2017						<0.005		
2/20/2018	<0.005						<0.005	<0.005
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		
7/11/2018	<0.005						<0.005	<0.005
7/12/2018		<0.005	<0.005			<0.005		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.005
9/14/2018				<0.005		<0.005		
9/10/2019								<0.005
10/1/2019							<0.005	
10/2/2019	<0.005	<0.005	<0.005	<0.005				
10/3/2019					<0.005	<0.005		
3/24/2020							<0.005	
3/25/2020	<0.005			0.00032 (J)				0.0003 (J)
3/26/2020		<0.005	<0.005		<0.005	<0.005		
8/25/2020							<0.005	
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005		0.00058 (J)
8/27/2020					<0.005			
10/6/2020	<0.005		<0.005				<0.005	0.00067 (J)
10/7/2020		<0.005		<0.005	<0.005	<0.005		
3/3/2021	<0.005					<0.005	<0.005	0.00049 (J)
3/4/2021		<0.005	<0.005	<0.005	<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					<0.005
9/16/2021				<0.005	<0.005	<0.005		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					<0.005
1/27/2022				<0.005	<0.005	<0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
2/14/2023	<0.005						<0.005	<0.005
2/15/2023		<0.005	<0.005		<0.005	<0.005		
2/16/2023				<0.005				
9/19/2023			<0.005				<0.005	
9/20/2023	<0.005	<0.005		<0.005	<0.005	<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.005					0.00037 (J)	<0.005
2/29/2024	<0.005		<0.005	<0.005	<0.005	<0.005		
8/13/2024							<0.005	
8/14/2024	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005
8/15/2024				<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	0.0008 (J)						
10/18/2016			<0.005	<0.005			
12/6/2016			0.0018 (J)				
12/7/2016				0.0015 (J)			<0.005
12/8/2016	<0.01				0.0041 (J)		
3/21/2017			<0.005				
3/22/2017	0.001 (J)						<0.005
3/23/2017				<0.005	0.0008 (J)		
7/11/2017	0.001 (J)		<0.005	<0.005			
7/12/2017					0.0007 (J)		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	0.0011 (J)						
10/19/2017					0.0005 (J)		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	0.00075 (J)				0.0012 (J)		<0.005
4/12/2018		<0.005					
5/23/2018		<0.005					
6/13/2018		<0.005					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	0.0008 (J)				0.00053 (J)		<0.005
8/17/2018		<0.005					
9/12/2018		<0.005	<0.005				
9/13/2018	0.001 (J)			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		<0.005					
10/1/2019				<0.005			
10/2/2019	0.0017 (X)	<0.005	<0.005				
10/3/2019					<0.005		<0.005
3/24/2020		<0.005					
3/25/2020	0.0018 (J)		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	0.0016 (J)	<0.005			<0.005		<0.005
10/6/2020		<0.005	<0.005	<0.005			
10/7/2020	0.0014 (J)				<0.005		<0.005
3/3/2021	0.0016 (J)		<0.005	<0.005			
3/4/2021					<0.005		<0.005
3/8/2021		<0.005					
9/14/2021		<0.005		<0.005			
9/15/2021	0.002 (J)		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		<0.005					
1/26/2022	0.0016 (J)		<0.005	<0.005			
1/27/2022					<0.005	0.0043 (J)	<0.005
8/24/2022	0.0016 (J)	<0.005	<0.005	<0.005	<0.005		
8/25/2022							<0.005
8/26/2022						0.0012 (J)	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	0.0012 (J)						<0.005
2/16/2023					<0.005	0.00051 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	0.0017 (J)	<0.005	<0.005	<0.005			
9/20/2023							<0.005
9/21/2023					<0.005	<0.005	
2/27/2024	0.0017 (J)	<0.005		<0.005			
2/28/2024			<0.005				<0.005
2/29/2024					<0.005	<0.005	
8/13/2024	0.0021 (J)	<0.005	<0.005	<0.005			
8/15/2024					<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.503 (U)	
8/31/2016	1.77							1.85
9/1/2016		1.19						
9/6/2016			1.12					
9/7/2016				1.06 (U)	1.51	1.22		
12/6/2016							0.302 (U)	
12/7/2016	0.672 (U)	1.88	1.37					0.844 (U)
12/8/2016				1.3	1.29	1.69		
3/21/2017	0.33 (U)						0.526 (U)	0.832 (U)
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)			
3/23/2017						1.07		
7/11/2017	0.701 (U)		0.76 (U)				0.676 (U)	0.824 (U)
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)		
10/17/2017							0.201 (U)	
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)			1.19
10/19/2017						0.398 (U)		
2/20/2018	2.12						1.07 (U)	0.975 (U)
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)		
7/11/2018	0.232 (U)						0.825 (U)	1.29
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)		
9/12/2018	0.532 (U)						0.317 (U)	
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)			0.765 (U)
9/14/2018				1.16		0.74 (U)		
9/10/2019								0.575 (U)
10/1/2019							0.953 (U)	
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)				
10/3/2019					2.07	1.9		
3/24/2020							2.23	
3/25/2020	0.694 (U)			0.385 (U)				1.39
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66		
8/25/2020							0.777 (U)	
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)		0.774 (U)
10/6/2020	0.265 (U)		1.12 (U)				0.996 (U)	1.24 (U)
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893		
3/3/2021	0.328 (U)					0.469 (U)	0.915 (U)	1.01 (U)
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)			
9/14/2021							0.532 (U)	
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)					0.742 (U)
9/16/2021				0.377 (U)	0.681 (U)	1.4		
1/25/2022							0.32 (U)	
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)					0.76 (U)
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)		
8/24/2022							0.196 (U)	
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937		0.396 (U)
2/14/2023	0.0857 (U)						0.319 (U)	0.521 (U)
2/15/2023		0.875 (U)	0.137 (U)		0.828	0.652 (U)		
2/16/2023				0.129 (U)				
9/19/2023			0.531 (U)				0.55 (U)	
9/20/2023	0.707 (U)	0.644 (U)		0.684 (U)	0.784 (U)	1.02 (U)		0.235 (U)
2/28/2024		0.948 (U)					0.498 (U)	0.261 (U)
2/29/2024	0.433 (U)		0.463 (U)	0.621 (U)	0.228 (U)	0.744 (U)		
8/13/2024							0 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/14/2024	0.071 (U)	0.747 (U)	0.937 (U)		0.365 (U)	0.684 (U)		1.15 (U)
8/15/2024				0.846 (U)				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.88 (U)
9/8/2016	1.41						
10/18/2016			0.0311 (U)	0.0333 (U)			
12/6/2016			0.301 (U)				
12/7/2016				0.507 (U)			0.179 (U)
12/8/2016	1.39				0.968 (U)		
3/21/2017			0.506 (U)				
3/22/2017	0.852 (U)						0.279 (U)
3/23/2017				0.378 (U)	0.444 (U)		
7/11/2017	1.04		0.0701 (U)	1.04			
7/12/2017					0.814 (U)		0.125 (U)
10/17/2017			0.412 (U)	0.779 (U)			
10/18/2017	0.678 (U)						
10/19/2017					0.748 (U)		0.329 (U)
2/20/2018			0.81 (U)	0.906 (U)			
2/21/2018	0.863 (U)				1.05 (U)		0.504 (U)
4/12/2018		0.774 (U)					
5/23/2018		0.301 (U)					
6/13/2018		0.508 (U)					
7/11/2018		1.66	0.749 (U)	0.505 (U)			
7/12/2018	1.42				0.751 (U)		0.188 (U)
9/12/2018		0.217 (U)	0.2 (U)				
9/13/2018	0.766 (U)			0.313 (U)			0.0542 (U)
9/14/2018					1.01 (U)		
10/4/2018		1.14			1.05		
10/24/2018		0.441 (U)					
10/1/2019				1.01 (U)			
10/2/2019	1.48	0.712 (U)	0.0883 (U)				
10/3/2019					1.62 (U)		1.37
3/24/2020		0.898 (U)					
3/25/2020	0.91 (U)		1.79	0.333 (U)			
3/26/2020					0.473 (U)		0.43 (U)
8/25/2020			0.405 (U)	0.34 (U)			
8/26/2020	0.95 (U)				0.782 (U)		0.572 (U)
10/6/2020		0.929 (U)	0.276 (U)	0.371 (U)			
10/7/2020	1.01 (U)				0.442 (U)		0.232 (U)
3/3/2021	0.545 (U)		0.907 (U)	0.836 (U)			
3/4/2021					1.03 (U)		0.529 (U)
3/8/2021		0.475 (U)					
9/14/2021		0.972 (U)		0.68 (U)			
9/15/2021	1.07 (U)		0.0517 (U)				
9/16/2021					0.184 (U)		0.382 (U)
1/25/2022		0.146 (U)					
1/26/2022	0.282 (U)		0.0386 (U)	0.449 (U)			
1/27/2022					0.259 (U)	1.13	0.315 (U)
8/24/2022	0.764 (U)	0.0268 (U)	0.781 (U)	0.342 (U)	0.764 (U)		
8/25/2022							0.771 (U)
8/26/2022						0.488 (U)	
2/14/2023		0.486 (U)	0.102 (U)	0.151 (U)			
2/15/2023	0.484 (U)						0.496 (U)
2/16/2023					0.765	0.193 (U)	
9/19/2023	1.21 (U)	0.769 (U)	1.07 (U)	0.804 (U)			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/20/2023							0.623 (U)
9/21/2023					0.809 (U)	0.401 (U)	
2/27/2024	0.437 (U)	0.588 (U)		1.41			
2/28/2024			0.186 (U)				0.676 (U)
2/29/2024					0.478 (U)	0.7 (U)	
8/13/2024	0.818 (U)	0.159 (U)	0.334 (U)	0.394 (U)			
8/15/2024					0.387 (U)	0.8 (U)	0.591 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							0.06 (J)	
8/31/2016	0.13 (J)							0.13 (J)
9/1/2016		0.06 (J)						
9/6/2016			0.09 (J)					
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)		
12/6/2016							0.06 (J)	
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)					0.13 (J)
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)		
3/21/2017	<0.1						0.004 (J)	0.05 (J)
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)			
3/23/2017						0.14 (J)		
7/11/2017	0.05 (J)		0.05 (J)				0.05 (J)	0.05 (J)
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)		
10/17/2017							<0.1	
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)			<0.1
10/19/2017						<0.3		
2/20/2018	0.04 (J)						0.098 (J)	0.3 (J)
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37		
7/11/2018	<0.1						<0.1	0.077 (J)
7/12/2018		<0.1	<0.1			0.17 (J)		
8/15/2018					<0.1			
8/16/2018				0.073 (J)				
9/12/2018	<0.1						0.034 (J)	
9/13/2018		0.15 (J)	<0.1		<0.1			<0.1
9/14/2018				<0.1		<0.3		
3/26/2019							<0.1	
3/27/2019	<0.1		<0.1		<0.1			<0.1
3/28/2019		0.1		0.15		0.074		
9/10/2019								<0.1
10/1/2019							0.062 (X)	
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)				
10/3/2019					0.043 (X)	0.084 (X)		
3/24/2020							<0.1	
3/25/2020	<0.1			<0.1				0.066 (J)
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)		
8/25/2020							<0.1	
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)		0.057 (J)
8/27/2020					<0.1			
10/6/2020	<0.1		<0.1				<0.1	0.052 (J)
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)		
3/3/2021	<0.1					0.058 (J)	<0.1	<0.1
3/4/2021		<0.1	<0.1	<0.1	<0.1			
9/14/2021							<0.1	
9/15/2021	<0.1	<0.1	<0.1					<0.1
9/16/2021				0.052 (J)	<0.1	0.067 (J)		
1/25/2022							<0.1	
1/26/2022	<0.1	<0.1	<0.1					<0.1
1/27/2022				<0.1	<0.1	0.056 (J)		
8/24/2022							0.08 (J)	
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)		0.074 (J)
2/14/2023	<0.1						0.063 (J)	0.084 (J)
2/15/2023		0.064 (J)	0.053 (J)		<0.1	0.086 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/16/2023				0.077 (J)				
9/19/2023			<0.1				0.06 (J)	
9/20/2023	<0.1	0.064 (J)		0.073 (J)	<0.1	0.082 (J)		0.062 (J)
2/28/2024		0.059 (J)					<0.1	0.07 (J)
2/29/2024	<0.1		<0.1	0.068 (J)	<0.1	0.078 (J)		
8/13/2024							<0.1	
8/14/2024	<0.1	<0.1	<0.1		<0.1	0.065 (J)		<0.1
8/15/2024				<0.1				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.1
9/8/2016	0.25 (J)						
10/18/2016			0.16 (J)	0.11 (J)			
12/6/2016			0.15 (J)				
12/7/2016				0.07 (J)			0.15 (J)
12/8/2016	0.22 (J)				0.21 (J)		
3/21/2017			0.02 (J)				
3/22/2017	0.16 (J)						0.09 (J)
3/23/2017				<0.1	0.18 (J)		
7/11/2017	0.23 (J)		0.06 (J)	0.02 (J)			
7/12/2017					0.06 (J)		0.02 (J)
10/17/2017			0.05 (J)	<0.1			
10/18/2017	0.28 (J)						
10/19/2017					<0.1		<0.1
2/20/2018			0.21 (J)	<0.1			
2/21/2018	0.29 (J)				0.039 (J)		0.045 (J)
4/12/2018		<0.1					
5/23/2018		0.063 (J)					
6/13/2018		0.11 (J)					
7/11/2018		<0.1	0.087 (J)	<0.1			
7/12/2018	0.21 (J)				<0.1		<0.1
8/17/2018		<0.1					
9/12/2018		0.093 (J)	0.049 (J)				
9/13/2018	0.22 (J)			<0.1			<0.1
9/14/2018					<0.1		
10/4/2018		0.15 (J)			0.15 (J)		
10/24/2018		0.29 (J)					
3/26/2019			<0.1				
3/27/2019	0.37	0.04		<0.1			
3/28/2019					<0.1		<0.1
10/1/2019				0.042 (X)			
10/2/2019	0.16 (X)	0.11 (X)	0.057 (X)				
10/3/2019					0.06 (X)		0.041 (X)
3/24/2020		0.051 (J)					
3/25/2020	0.13 (J)		<0.1	<0.1			
3/26/2020					<0.1		<0.1
8/25/2020			<0.1	<0.1			
8/26/2020	0.14	0.057 (J)			<0.1		<0.1
10/6/2020		0.073 (J)	<0.1	<0.1			
10/7/2020	0.13				<0.1		<0.1
3/3/2021	0.12		<0.1	<0.1			
3/4/2021					<0.1		<0.1
3/8/2021		<0.1					
9/14/2021		0.089 (J)		<0.1			
9/15/2021	0.14		<0.1				
9/16/2021					<0.1		<0.1
1/25/2022		0.071 (J)					
1/26/2022	0.11		<0.1	<0.1			
1/27/2022					<0.1	0.057 (J)	<0.1
8/24/2022	0.15	0.088 (J)	0.069 (J)	0.058 (J)	0.092 (J)		
8/25/2022							0.056 (J)
8/26/2022						0.083 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/14/2023		0.076 (J)	0.059 (J)	<0.1			
2/15/2023	0.16						0.05 (J)
2/16/2023					0.082 (J)	0.077 (J)	
9/19/2023	0.14	0.094 (J)	0.053 (J)	<0.1			
9/20/2023							<0.1
9/21/2023					0.074 (J)	0.074 (J)	
2/27/2024	0.13	0.084 (J)		<0.1			
2/28/2024			0.06 (J)				<0.1
2/29/2024					0.068 (J)	0.067 (J)	
8/13/2024	0.12	0.083 (J)	<0.1	<0.1			
8/15/2024					<0.1	<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					<0.001
12/8/2016				<0.001	<0.001	<0.001		
3/21/2017	<0.001						<0.001	<0.001
3/22/2017		5E-05 (J)	<0.001	<0.001	<0.001			
3/23/2017						<0.001		
7/11/2017	<0.001		<0.001				<0.001	<0.001
7/12/2017		<0.001		<0.001	<0.001	<0.001		
10/17/2017							0.0001 (J)	
10/18/2017	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
10/19/2017						<0.001		
2/20/2018	<0.001						<0.001	<0.001
2/21/2018		<0.001	<0.001	<0.001	0.00043 (J)	<0.001		
7/11/2018	<0.001						<0.001	<0.001
7/12/2018		<0.001	<0.001			<0.001		
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	<0.001		<0.001			<0.001
9/14/2018				<0.001		<0.001		
9/10/2019								<0.001
10/1/2019							<0.001	
10/2/2019	<0.001	<0.001	8.1E-05 (X)	<0.001				
10/3/2019					<0.001	<0.001		
3/24/2020							6.2E-05 (J)	
3/25/2020	<0.001			<0.001				0.00015 (J)
3/26/2020		<0.001	<0.001		<0.001	<0.001		
8/25/2020							6.5E-05 (J)	
8/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001		<0.001
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				6.6E-05 (J)	4.7E-05 (J)
10/7/2020		<0.001		<0.001	4.2E-05 (J)	4.2E-05 (J)		
3/3/2021	<0.001					<0.001	5.5E-05 (J)	5.8E-05 (J)
3/4/2021		<0.001	<0.001	<0.001	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	<0.001	<0.001					<0.001
9/16/2021				<0.001	<0.001	<0.001		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				<0.001	<0.001	<0.001		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
2/14/2023	<0.001						<0.001	<0.001
2/15/2023		<0.001	<0.001		<0.001	<0.001		
2/16/2023				<0.001				
9/19/2023			<0.001				<0.001	
9/20/2023	<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 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.001					<0.001	<0.001
2/29/2024	<0.001		<0.001	<0.001	<0.001	<0.001		
8/13/2024							<0.001	
8/14/2024	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001
8/15/2024				<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.001
9/8/2016	<0.001						
10/18/2016			<0.001	0.0001 (J)			
12/6/2016			<0.001				
12/7/2016				<0.001			<0.001
12/8/2016	<0.001				<0.001		
3/21/2017			<0.001				
3/22/2017	<0.001						<0.001
3/23/2017				0.0002 (J)	9E-05 (J)		
7/11/2017	<0.001		<0.001	<0.001			
7/12/2017					<0.001		<0.001
10/17/2017			0.0005 (J)	7E-05 (J)			
10/18/2017	<0.001						
10/19/2017					<0.001		<0.001
2/20/2018			<0.001	<0.001			
2/21/2018	<0.001				<0.001		<0.001
4/12/2018		<0.001					
5/23/2018		<0.001					
6/13/2018		<0.001					
7/11/2018		<0.001	<0.001	<0.001			
7/12/2018	<0.001				<0.001		<0.001
8/17/2018		<0.001					
9/12/2018		<0.001	<0.001				
9/13/2018	<0.001			<0.001			<0.001
9/14/2018					<0.001		
10/4/2018		<0.001			<0.001		
10/24/2018		<0.001					
10/1/2019				<0.001			
10/2/2019	<0.001	4.7E-05 (X)	8.1E-05 (X)				
10/3/2019					4.7E-05 (X)		<0.001
3/24/2020		<0.001					
3/25/2020	<0.001		<0.001	<0.001			
3/26/2020					<0.001		<0.001
8/25/2020			<0.001	6.3E-05 (J)			
8/26/2020	<0.001	<0.001			<0.001		<0.001
10/6/2020		<0.001	<0.001	<0.001			
10/7/2020	<0.001				<0.001		<0.001
3/3/2021	<0.001		<0.001	<0.001			
3/4/2021					<0.001		4.1E-05 (J)
3/8/2021		6.2E-05 (J)					
9/14/2021		<0.001		<0.001			
9/15/2021	<0.001		<0.001				
9/16/2021					<0.001		<0.001
1/25/2022		<0.001					
1/26/2022	<0.001		<0.001	<0.001			
1/27/2022					<0.001	<0.001	<0.001
8/24/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
8/25/2022							<0.001
8/26/2022						<0.001	
2/14/2023		<0.001	<0.001	<0.001			
2/15/2023	<0.001						<0.001
2/16/2023					<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	<0.001	<0.001	<0.001	<0.001			
9/20/2023							<0.001
9/21/2023					<0.001	<0.001	
2/27/2024	<0.001	<0.001		<0.001			
2/28/2024			<0.001				<0.001
2/29/2024					<0.001	<0.001	
8/13/2024	<0.001	<0.001	<0.001	<0.001			
8/15/2024					<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.03	
8/31/2016	<0.03							<0.03
9/1/2016		<0.03						
9/6/2016			<0.03					
9/7/2016				<0.03	<0.05	0.0082 (J)		
12/6/2016							<0.03	
12/7/2016	0.003 (J)	<0.03	<0.03					<0.03
12/8/2016				<0.03	<0.05	0.0061 (J)		
3/21/2017	<0.03						<0.03	<0.03
3/22/2017		0.0011 (J)	<0.03	0.0021 (J)	0.0029 (J)			
3/23/2017						0.0122 (J)		
7/11/2017	<0.03		<0.03				<0.03	<0.03
7/12/2017		<0.03		0.002 (J)	0.0024 (J)	0.013 (J)		
10/17/2017							<0.03	
10/18/2017	<0.03	<0.03	<0.03	0.002 (J)	0.0027 (J)			<0.03
10/19/2017						0.013 (J)		
2/20/2018	<0.03						<0.03	<0.03
2/21/2018		<0.03	<0.03	0.0022 (J)	0.0021 (J)	0.0085 (J)		
7/11/2018	<0.03						<0.03	<0.03
7/12/2018		0.0012 (J)	<0.03			0.013 (J)		
8/15/2018					0.0027 (J)			
8/16/2018				0.0027 (J)				
9/12/2018	<0.03						<0.03	
9/13/2018		0.0013 (J)	<0.03		0.0029 (J)			<0.03
9/14/2018				0.0025 (J)		0.018 (J)		
9/10/2019								<0.03
10/1/2019							<0.03	
10/2/2019	<0.03	0.0013 (X)	<0.03	0.0024 (X)				
10/3/2019					0.0027 (X)	0.016 (X)		
3/24/2020							<0.03	
3/25/2020	<0.03			0.003 (J)				0.0011 (J)
3/26/2020		0.0014 (J)	<0.03		0.0027 (J)	0.013 (J)		
8/25/2020							<0.03	
8/26/2020	<0.03	0.0013 (J)	<0.03	0.0028 (J)		0.011 (J)		0.0011 (J)
8/27/2020					0.0025 (J)			
10/6/2020	<0.03		<0.03				<0.03	0.00097 (J)
10/7/2020		0.0013 (J)		0.0029 (J)	0.003 (J)	0.013 (J)		
3/3/2021	<0.03					0.015 (J)	<0.03	0.001 (J)
3/4/2021		0.0014 (J)	<0.03	0.002 (J)	0.0029 (J)			
9/14/2021							<0.03	
9/15/2021	<0.03	0.0013 (J)	<0.03					0.00085 (J)
9/16/2021				0.0021 (J)	0.0023 (J)	0.013 (J)		
1/25/2022							<0.03	
1/26/2022	<0.03	0.0013 (J)	<0.03					<0.03
1/27/2022				0.0022 (J)	0.003 (J)	0.016 (J)		
8/24/2022							<0.03	
8/25/2022	<0.03	0.0012 (J)	<0.03	0.0018 (J)	0.0033 (J)	0.012 (J)		<0.03
2/14/2023	<0.03						<0.03	<0.03
2/15/2023		0.001 (J)	<0.03		0.0027 (J)	0.011 (J)		
2/16/2023				0.0014 (J)				
9/19/2023			<0.03				<0.03	
9/20/2023	<0.03	0.0014 (J)		0.0012 (J)	0.0028 (J)	0.014 (J)		0.00088 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.03					<0.03	<0.03
2/29/2024	<0.03		<0.03	<0.03	0.0054 (J)	0.012 (J)		
8/13/2024							<0.03	
8/14/2024	<0.03	<0.03	<0.03		0.0041 (J)	0.012 (J)		<0.03
8/15/2024				<0.03				

Time Series

Constituent: Lithium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							0.0022 (J)
9/8/2016	0.0038 (J)						
10/18/2016			<0.03	<0.03			
12/6/2016			<0.03				
12/7/2016				<0.03			0.0023 (J)
12/8/2016	0.0038 (J)				<0.03		
3/21/2017			<0.03				
3/22/2017	0.0068 (J)						0.0025 (J)
3/23/2017				<0.03	<0.03		
7/11/2017	0.0059 (J)		<0.03	<0.03			
7/12/2017					<0.03		0.0033 (J)
10/17/2017			<0.03	<0.03			
10/18/2017	0.0057 (J)						
10/19/2017					<0.03		<0.25
2/20/2018			<0.03	<0.03			
2/21/2018	0.0063 (J)				<0.03		0.0034 (J)
4/12/2018		<0.03					
5/23/2018		<0.03					
6/13/2018		<0.03					
7/11/2018		0.0011 (J)	<0.03	<0.03			
7/12/2018	0.0063 (J)				<0.03		0.0038 (J)
8/17/2018		0.0024 (J)					
9/12/2018		0.0025 (J)	<0.03				
9/13/2018	0.0061 (J)			<0.03			0.0026 (J)
9/14/2018					<0.03		
10/4/2018		0.0021 (J)			<0.03		
10/24/2018		0.0021 (J)					
10/1/2019				<0.03			
10/2/2019	0.0074 (X)	0.0016 (X)	<0.03				
10/3/2019					<0.03		0.0032 (X)
3/24/2020		0.0019 (J)					
3/25/2020	0.0066 (J)		<0.03	<0.03			
3/26/2020					<0.03		0.0031 (J)
8/25/2020			<0.03	<0.03			
8/26/2020	0.0065 (J)	0.0015 (J)			<0.03		0.0023 (J)
10/6/2020		0.00099 (J)	<0.03	<0.03			
10/7/2020	0.0063 (J)				<0.03		0.0023 (J)
3/3/2021	0.0061 (J)		<0.03	<0.03			
3/4/2021					<0.03		0.0031 (J)
3/8/2021		0.0019 (J)					
9/14/2021		0.0013 (J)		<0.03			
9/15/2021	0.0061 (J)		<0.03				
9/16/2021					<0.03		0.0025 (J)
1/25/2022		0.0012 (J)					
1/26/2022	0.008 (J)		<0.03	<0.03			
1/27/2022					<0.03	0.002 (J)	0.0039 (J)
8/24/2022	0.0073 (J)	0.0012 (J)	<0.03	<0.03	<0.03		
8/25/2022							0.003 (J)
8/26/2022						0.0013 (J)	
2/14/2023		0.001 (J)	<0.03	<0.03			
2/15/2023	0.0057 (J)						0.0037 (J)
2/16/2023					<0.03	0.00082 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	0.0064 (J)	<0.03	0.00079 (J)	<0.03			
9/20/2023							0.0023 (J)
9/21/2023					<0.03	0.00089 (J)	
2/27/2024	0.007 (J)	<0.03		<0.03			
2/28/2024			<0.03				0.0024 (J)
2/29/2024					<0.03	<0.03	
8/13/2024	0.0064 (J)	<0.03	<0.03	<0.03			
8/15/2024					<0.03	<0.03	0.0025 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.0002	
8/31/2016	<0.0002							<0.0002
9/1/2016		<0.0002						
9/6/2016			<0.0002					
9/7/2016				<0.0002	<0.0002	<0.0002		
12/6/2016							<0.0002	
12/7/2016	7E-05 (J)	<0.0002	<0.0002					9E-05 (J)
12/8/2016				<0.0002	<0.0002	<0.0002		
3/21/2017	<0.0002						<0.0002	<0.0002
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002			
3/23/2017						<0.0002		
7/11/2017	<0.0002		<0.0002				<0.0002	<0.0002
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002		
10/17/2017							<0.0002	
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
10/19/2017						<0.0002		
2/20/2018	<0.0002						<0.0002	<0.0002
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)		
7/11/2018	<0.0002						<0.0002	<0.0002
7/12/2018		<0.0002	<0.0002			<0.0002		
8/15/2018					<0.0002			
8/16/2018				<0.0002				
9/12/2018	<0.0002						<0.0002	
9/13/2018		<0.0002	<0.0002		<0.0002			<0.0002
9/14/2018				<0.0002		<0.0002		
8/25/2020							9.9E-05 (J)	
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)		0.00017 (J)
8/27/2020					<0.0002			
10/6/2020	<0.0002		<0.0002				<0.0002	<0.0002
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002		
3/3/2021	<0.0002					<0.0002	<0.0002	<0.0002
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002			
9/14/2021							<0.0002	
9/15/2021	<0.0002	<0.0002	<0.0002					<0.0002
9/16/2021				<0.0002	<0.0002	<0.0002		
1/25/2022							<0.0002	
1/26/2022	<0.0002	<0.0002	<0.0002					<0.0002
1/27/2022				<0.0002	<0.0002	<0.0002		
8/24/2022							<0.0002	
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
2/14/2023	<0.0002						<0.0002	<0.0002
2/15/2023		<0.0002	<0.0002		<0.0002	<0.0002		
2/16/2023				<0.0002				
9/19/2023			<0.0002				<0.0002	
9/20/2023	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		<0.0002
2/28/2024		<0.0002					<0.0002	<0.0002
2/29/2024	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
8/13/2024							<0.0002	
8/14/2024	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002
8/15/2024				<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.0002
9/8/2016	<0.0002						
10/18/2016			<0.0002	<0.0002			
12/6/2016			<0.0002				
12/7/2016				<0.0002			6E-05 (J)
12/8/2016	<0.0002				<0.0002		
3/21/2017			<0.0002				
3/22/2017	<0.0002						<0.0002
3/23/2017				<0.0002	<0.0002		
7/11/2017	<0.0002		<0.0002	<0.0002			
7/12/2017					<0.0002		<0.0002
10/17/2017			<0.0002	<0.0002			
10/18/2017	<0.0002						
10/19/2017					<0.0002		<0.0002
2/20/2018			<0.0002	<0.0002			
2/21/2018	5.3E-05 (J)				4.3E-05 (J)		5.3E-05 (J)
4/12/2018		<0.0002					
5/23/2018		<0.0002					
6/13/2018		4.9E-05 (J)					
7/11/2018		<0.0002	<0.0002	<0.0002			
7/12/2018	<0.0002				<0.0002		<0.0002
8/17/2018		<0.0002					
9/12/2018		<0.0002	<0.0002				
9/13/2018	<0.0002			<0.0002			<0.0002
9/14/2018					4.1E-05 (J)		
10/4/2018		<0.0002			<0.0002		
10/24/2018		5.2E-05 (J)					
8/25/2020			0.0001 (J)	<0.0002			
8/26/2020	<0.0002	<0.0002			0.00011 (J)		<0.0002
10/6/2020		<0.0002	<0.0002	<0.0002			
10/7/2020	<0.0002				<0.0002		<0.0002
3/3/2021	<0.0002		<0.0002	<0.0002			
3/4/2021					<0.0002		<0.0002
3/8/2021		<0.0002					
9/14/2021		<0.0002		<0.0002			
9/15/2021	<0.0002		<0.0002				
9/16/2021					<0.0002		<0.0002
1/25/2022		<0.0002					
1/26/2022	<0.0002		<0.0002	<0.0002			
1/27/2022					<0.0002	<0.0002	<0.0002
8/24/2022		0.00013 (J)	<0.0002	0.00014 (J)	<0.0002		
8/25/2022							<0.0002
8/26/2022						<0.0002	
10/11/2022	<0.0002						
2/14/2023		<0.0002	<0.0002	<0.0002			
2/15/2023	<0.0002						<0.0002
2/16/2023					<0.0002	<0.0002	
9/19/2023	<0.0002	<0.0002	<0.0002	<0.0002			
9/20/2023							<0.0002
9/21/2023					<0.0002	<0.0002	
2/27/2024	<0.0002	<0.0002		<0.0002			
2/28/2024			<0.0002				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/29/2024					<0.0002	<0.0002	
8/13/2024	<0.0002	<0.0002	<0.0002	<0.0002			
8/15/2024					<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.01	
8/31/2016	<0.01							<0.01
9/1/2016		<0.01						
9/6/2016			<0.01					
9/7/2016				<0.01	<0.01	0.0027 (J)		
12/6/2016							0.0019 (J)	
12/7/2016	<0.01	<0.01	<0.01					<0.01
12/8/2016				<0.01	<0.01	0.0022 (J)		
3/21/2017	0.0005 (J)						0.0018 (J)	0.0006 (J)
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)	<0.01			
3/23/2017						0.0025 (J)		
7/11/2017	<0.01		<0.01				0.0018 (J)	<0.01
7/12/2017		<0.01		<0.01	<0.01	0.0022 (J)		
10/17/2017							0.0016 (J)	
10/18/2017	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01
10/19/2017						0.0021 (J)		
2/20/2018	<0.01						<0.01	<0.01
2/21/2018		<0.01	<0.01	<0.01	<0.01	<0.01		
7/11/2018	<0.01						<0.01	<0.01
7/12/2018		<0.01	<0.01			0.0022 (J)		
8/15/2018					<0.01			
8/16/2018				<0.01				
9/12/2018	<0.01						<0.01	
9/13/2018		<0.01	<0.01		<0.01			<0.01
9/14/2018				<0.01		0.0023 (J)		
9/10/2019								<0.01
10/1/2019							0.001 (X)	
10/2/2019	<0.01	<0.01	<0.01	<0.01				
10/3/2019					<0.01	0.0024 (X)		
3/24/2020							0.001 (J)	
3/25/2020	<0.01			<0.01				0.0011 (J)
3/26/2020		<0.01	<0.01		<0.01	0.0021 (J)		
8/25/2020							0.001 (J)	
8/26/2020	<0.01	<0.01	<0.01	<0.01		0.002 (J)		<0.01
8/27/2020					<0.01			
10/6/2020	<0.01		<0.01				0.0009 (J)	<0.01
10/7/2020		<0.01		<0.01	<0.01	0.0019 (J)		
3/3/2021	<0.01					0.0021 (J)	0.00076 (J)	<0.01
3/4/2021		<0.01	<0.01	<0.01	<0.01			
9/14/2021							0.00086 (J)	
9/15/2021	<0.01	<0.01	<0.01					<0.01
9/16/2021				<0.01	<0.01	0.0021 (J)		
1/25/2022							<0.01	
1/26/2022	<0.01	<0.01	<0.01					<0.01
1/27/2022				<0.01	<0.01	0.0022 (J)		
8/24/2022							0.00088 (J)	
8/25/2022	<0.01	<0.01	<0.01	<0.01	<0.01	0.0017 (J)		<0.01
2/14/2023	<0.01						0.0013 (J)	<0.01
2/15/2023		<0.01	<0.01		<0.01	0.0016 (J)		
2/16/2023				<0.01				
9/19/2023			<0.01				0.0013 (J)	
9/20/2023	<0.01	<0.01		<0.01	<0.01	0.0019 (J)		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.01					0.00083 (J)	<0.01
2/29/2024	<0.01		<0.01	<0.01	<0.01	0.0018 (J)		
8/13/2024							<0.01	
8/14/2024	<0.01	<0.01	<0.01		<0.01	0.0023 (J)		<0.01
8/15/2024				<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.01
9/8/2016	<0.01						
10/18/2016			<0.01	<0.01			
12/6/2016			<0.01				
12/7/2016				<0.01			<0.01
12/8/2016	<0.01				<0.01		
3/21/2017			0.0005 (J)				
3/22/2017	0.001 (J)						<0.01
3/23/2017				<0.01	<0.01		
7/11/2017	<0.01		<0.01	<0.01			
7/12/2017					<0.01		<0.01
10/17/2017			<0.01	<0.01			
10/18/2017	<0.01						
10/19/2017					<0.01		<0.01
2/20/2018			<0.01	<0.01			
2/21/2018	<0.01				<0.01		<0.01
4/12/2018		<0.01					
5/23/2018		<0.01					
6/13/2018		<0.01					
7/11/2018		<0.01	<0.01	<0.01			
7/12/2018	<0.01				<0.01		<0.01
8/17/2018		<0.01					
9/12/2018		<0.01	<0.01				
9/13/2018	<0.01			<0.01			<0.01
9/14/2018					<0.01		
10/4/2018		<0.01			<0.01		
10/24/2018		<0.01					
10/1/2019				<0.01			
10/2/2019	<0.01	<0.01	<0.01				
10/3/2019					<0.01		<0.01
3/24/2020		<0.01					
3/25/2020	<0.01		<0.01	<0.01			
3/26/2020					<0.01		<0.01
8/25/2020			<0.01	<0.01			
8/26/2020	<0.01	<0.01			<0.01		<0.01
10/6/2020		0.00069 (J)	<0.01	<0.01			
10/7/2020	<0.01				<0.01		<0.01
3/3/2021	<0.01		<0.01	<0.01			
3/4/2021					<0.01		<0.01
3/8/2021		<0.01					
9/14/2021		0.00077 (J)		<0.01			
9/15/2021	<0.01		<0.01				
9/16/2021					<0.01		<0.01
1/25/2022		<0.01					
1/26/2022	<0.01		<0.01	<0.01			
1/27/2022					<0.01	0.00085 (J)	<0.01
8/24/2022	<0.01	<0.01	<0.01	<0.01	<0.01		
8/25/2022							<0.01
8/26/2022						<0.01	
2/14/2023		<0.01	<0.01	<0.01			
2/15/2023	<0.01						<0.01
2/16/2023					<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	<0.01	0.0008 (J)	<0.01	<0.01			
9/20/2023							<0.01
9/21/2023					<0.01	<0.01	
2/27/2024	<0.01	0.00069 (J)		<0.01			
2/28/2024			<0.01				<0.01
2/29/2024					<0.01	<0.01	
8/13/2024	<0.01	<0.01	<0.01	<0.01			
8/15/2024					<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							7.67	
8/31/2016	6.97							6.75
9/1/2016		7.21						
9/6/2016			7.23					
9/7/2016				7.02	6.92	6.71		
12/6/2016							7.57	
12/7/2016	6.85	7.13	7.3					6.64
12/8/2016				6.95	6.9	6.61		
3/21/2017	7.04						7.54	6.73
3/22/2017		7.04	7.2	7.05	7			
3/23/2017						6.69		
7/11/2017	6.88		7.31				7.43	6.66
7/12/2017		7.09		7.06	6.95	6.69		
10/17/2017							7.7	
10/18/2017	6.77	7.2	7.28	6.99		6.88		6.73
10/19/2017						6.85		
2/20/2018	7.32 (D)						7.57	7.11
2/21/2018		7.11	7.1	6.95	6.89	6.66		
7/11/2018	7.12						7.48	7
7/12/2018		7.07	7.14	7.06	7.01	6.84		
8/15/2018					6.87			
8/16/2018				7.01				
9/12/2018	6.87						7.41	
9/13/2018		7.01	7.08		6.86			6.56
9/14/2018				6.83		6.76		
3/26/2019							7.49	
3/27/2019	6.98		7.23		6.92			6.75
3/28/2019		7.84		6.97		6.67		
9/10/2019								6.78
10/1/2019							7.5	
10/2/2019	6.96	7.22	7.22	6.99				
10/3/2019					6.78	6.93		
3/24/2020							7.79	
3/25/2020	7.02			6.93				6.84
3/26/2020		7.08	7.12		7.01	6.7		
8/25/2020							7.49	
8/26/2020	6.98	7.08	7.18	6.98		6.68		6.64
8/27/2020					6.88			
10/6/2020	7.01		7.24				7.35	6.78
10/7/2020		7.11		7.04	6.91	6.78		
3/3/2021	6.99					6.78	7.56	6.79
3/4/2021		7.09	7.34	7.09	6.91			
9/14/2021							7.45	
9/15/2021	6.94	7.09	7.12					6.72
9/16/2021				7.03	6.85	6.77		
1/25/2022							7.51	
1/26/2022	7.05	7.33	7.26					6.83
1/27/2022				7.03	6.92	6.8		
8/24/2022							7.49	
8/25/2022	6.93	7.15	7.14	7.05	6.76	6.67		6.76
2/14/2023	7.04						7.43	6.75
2/15/2023		7.09	7.1		6.73	6.66		

Time Series

Constituent: pH (SU) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/16/2023				7.14				
9/19/2023			7.08				7.44	
9/20/2023	6.94	7.07		7.16	6.76	6.83		6.86
2/28/2024		7.18					7.41	6.79
2/29/2024	7.07		7.19	7.2	6.94	6.82		
8/13/2024							7.46	
8/14/2024	7.52	7.11	7.15		6.92	6.9		6.75
8/15/2024				7.35				

Time Series

Constituent: pH (SU) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							7.07
9/8/2016	7.1						
10/4/2016					6.88		
10/5/2016					6.91		
10/17/2016				7.43			
10/18/2016			7.15	7.45			
12/6/2016			7.04				
12/7/2016				7.29			6.85
12/8/2016	6.98				6.86		
3/21/2017			7.01				
3/22/2017	7.16						6.99
3/23/2017				7.26	6.9		
7/11/2017	7.15		6.96	7.31	7.82 (o)		
7/12/2017					6.81		6.83
10/17/2017		7.61	7.31	7.29			
10/18/2017	7.09						
10/19/2017					6.86		6.91
2/20/2018				7.26			
2/21/2018	7.12				7.02		6.97
7/11/2018		9.48	7.26	7.39			
7/12/2018			7.01		6.82		6.85
9/12/2018		9.07	7.02				
9/13/2018	7.03			7.25			6.88
9/14/2018					6.75		
3/26/2019			7				
3/27/2019	7.08	8.76		7.42			
3/28/2019					6.96		6.96
10/1/2019				7.43			
10/2/2019	7.2	8.97	7.09				
10/3/2019					7.01		6.85
3/24/2020		8.57					
3/25/2020	7.01		7.15	7.23			
3/26/2020					7		7.12
8/25/2020			7.14	7.53			
8/26/2020	7.09	7.97			6.99		7.01
10/6/2020		8.72	7.01	7.27			
10/7/2020	6.95				7.04		6.98
3/3/2021	7.04		7.14	7.41			
3/4/2021					7.22		6.95
3/8/2021		7.77					
9/14/2021		8.96		7.31			
9/15/2021	7.05		6.99				
9/16/2021					7.1		6.96
1/25/2022		8.4					
1/26/2022	7.28		7.1	7.44			
1/27/2022					7.18	7.3	7.03
8/24/2022	7.1	8.01	7.04	7.34	7.1		
8/25/2022							6.98
8/26/2022						7.09	
10/11/2022	7.13	7.94		7.37			
2/14/2023		7.97	7.09	7.36			
2/15/2023	7.02						6.92

Time Series

Constituent: pH (SU) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					7.13	7.06	
9/19/2023	7.18	8.82	7.02	7.43			
9/20/2023							7.15
9/21/2023					7.05	7.21	
2/27/2024	7.13	8.49		7.39			
2/28/2024			7.11				7.07
2/29/2024					7.14	7.13	
8/13/2024	7.06	9.2	7.12	7.33			
8/15/2024					7.07	7.1	7.05

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.005	
8/31/2016	0.0012 (J)							0.0014 (J)
9/1/2016		<0.005						
9/6/2016			<0.005					
9/7/2016				<0.005	<0.005	<0.01		
12/6/2016							<0.005	
12/7/2016	<0.005	<0.005	<0.005					<0.01
12/8/2016				<0.005	<0.005	<0.01		
3/21/2017	<0.005						<0.005	<0.01
3/22/2017		<0.005	<0.005	<0.005	<0.005			
3/23/2017						<0.01		
7/11/2017	<0.005		<0.005				<0.005	<0.01
7/12/2017		<0.005		<0.005	<0.005	<0.01		
10/17/2017							<0.005	
10/18/2017	<0.005	<0.005	<0.005	<0.005	<0.005			<0.01
10/19/2017						<0.01		
2/20/2018	<0.005						<0.005	<0.01
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.01		
7/11/2018	<0.005						<0.005	<0.01
7/12/2018		<0.005	<0.005			<0.01		
8/15/2018					<0.005			
8/16/2018				<0.005				
9/12/2018	<0.005						<0.005	
9/13/2018		<0.005	<0.005		<0.005			<0.01
9/14/2018				<0.005		0.0015 (J)		
9/10/2019								0.0018 (X)
10/1/2019							<0.005	
10/2/2019	0.0015 (X)	<0.005	<0.005	<0.005				
10/3/2019					<0.005	0.0034 (X)		
3/24/2020							<0.005	
3/25/2020	<0.005			<0.005				0.003 (J)
3/26/2020		<0.005	<0.005		<0.005	0.0016 (J)		
8/25/2020							<0.005	
8/26/2020	<0.005	0.0018 (J)	<0.005	<0.005		0.0031 (J)		0.0026 (J)
8/27/2020					<0.005			
10/6/2020	<0.005		<0.005				<0.005	0.0027 (J)
10/7/2020		<0.005		<0.005	<0.005	0.0035 (J)		
3/3/2021	<0.005					0.0033 (J)	<0.005	0.0025 (J)
3/4/2021		<0.005	<0.005	<0.005	<0.005			
9/14/2021							<0.005	
9/15/2021	<0.005	<0.005	<0.005					0.0024 (J)
9/16/2021				<0.005	<0.005	0.0033 (J)		
1/25/2022							<0.005	
1/26/2022	<0.005	<0.005	<0.005					0.0023 (J)
1/27/2022				<0.005	<0.005	0.005		
8/24/2022							<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0019 (J)		0.0023 (J)
2/14/2023	<0.005						<0.005	0.0015 (J)
2/15/2023		<0.005	<0.005		<0.005	0.0036 (J)		
2/16/2023				<0.005				
9/19/2023			<0.005				<0.005	
9/20/2023	<0.005	<0.005		<0.005	<0.005	0.0024 (J)		0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.005					<0.005	0.0018 (J)
2/29/2024	<0.005		<0.005	<0.005	<0.005	0.0043 (J)		
8/13/2024							<0.005	
8/14/2024	<0.005	<0.005	<0.005		<0.005	0.0053		0.0019 (J)
8/15/2024				<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.005
9/8/2016	<0.005						
10/18/2016			<0.005	<0.005			
12/6/2016			<0.005				
12/7/2016				<0.005			<0.005
12/8/2016	<0.005				<0.005		
3/21/2017			<0.005				
3/22/2017	<0.005						<0.005
3/23/2017				<0.005	<0.005		
7/11/2017	<0.005		<0.005	<0.005			
7/12/2017					<0.005		<0.005
10/17/2017			<0.005	<0.005			
10/18/2017	<0.005						
10/19/2017					<0.005		<0.005
2/20/2018			<0.005	<0.005			
2/21/2018	<0.005				<0.005		<0.005
4/12/2018		<0.005					
5/23/2018		<0.005					
6/13/2018		<0.005					
7/11/2018		<0.005	<0.005	<0.005			
7/12/2018	<0.005				<0.005		<0.005
8/17/2018		<0.005					
9/12/2018		<0.005	<0.005				
9/13/2018	<0.005			<0.005			<0.005
9/14/2018					<0.005		
10/4/2018		<0.005			<0.005		
10/24/2018		<0.005					
10/1/2019				<0.005			
10/2/2019	<0.005	<0.005	<0.005				
10/3/2019					<0.005		0.0017 (X)
3/24/2020		<0.005					
3/25/2020	<0.005		<0.005	<0.005			
3/26/2020					<0.005		<0.005
8/25/2020			<0.005	<0.005			
8/26/2020	<0.005	<0.005			<0.005		0.0018 (J)
10/6/2020		<0.005	<0.005	<0.005			
10/7/2020	<0.005				<0.005		<0.005
3/3/2021	<0.005		<0.005	<0.005			
3/4/2021					<0.005		0.0018 (J)
3/8/2021		<0.005					
9/14/2021		<0.005		<0.005			
9/15/2021	<0.005		<0.005				
9/16/2021					<0.005		<0.005
1/25/2022		<0.005					
1/26/2022	<0.005		<0.005	<0.005			
1/27/2022					<0.005	<0.005	0.0018 (J)
8/24/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
8/25/2022							0.0017 (J)
8/26/2022						<0.005	
2/14/2023		<0.005	<0.005	<0.005			
2/15/2023	<0.005						0.0017 (J)
2/16/2023					<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	<0.005	<0.005	<0.005	<0.005			
9/20/2023							0.0015 (J)
9/21/2023					<0.005	<0.005	
2/27/2024	<0.005	<0.005		<0.005			
2/28/2024			<0.005				0.0019 (J)
2/29/2024					<0.005	<0.005	
8/13/2024	<0.005	<0.005	<0.005	<0.005			
8/15/2024					<0.005	0.001 (J)	0.0011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							2.1	
8/31/2016	4.1							29
9/1/2016		73						
9/6/2016			49					
9/7/2016				99	96	87		
12/6/2016							2.4	
12/7/2016	1.5	71	46					24
12/8/2016				94	94	84		
3/21/2017	2						2.5	31
3/22/2017		80	53	100	95			
3/23/2017						90		
7/11/2017	2		52				2.6	37
7/12/2017		78		100	96	93		
10/17/2017							2.5	
10/18/2017	4.2	82	58	100	99			34
10/19/2017						92		
2/20/2018	2.4						2.3	34.7
2/21/2018		72.2	48.2	98.8	91.8	84.5		
7/11/2018	3.8						2.5	35.4
7/12/2018		80.5	48.8			84.9		
8/15/2018					101			
8/16/2018				111				
9/12/2018	4.3						2	
9/13/2018		84.4	48.7		106			37.4
9/14/2018				102		89.5		
3/26/2019							2.7	
3/27/2019	8.2		46.5		111			41.9
3/28/2019		90.3		94.7		83.5		
9/10/2019								45.1
10/1/2019							2.8	
10/2/2019	6.2	83	48.5	104				
10/3/2019					95.8	84.9		
3/24/2020							3	
3/25/2020	11.9			92.4				47
3/26/2020		83.6	43.5		91	84.9		
10/6/2020	11		42.4				2.4	71.2
10/7/2020		80.7		89.1	87.3	83.3		
3/3/2021	8.8					80.8	2.2	66
3/4/2021		74.1	38.9	66.8	88.6			
9/14/2021							2.6	
9/15/2021	11.4	73.4	37.8					46.8
9/16/2021				70.9	86.9	72.7		
1/25/2022							2.4	
1/26/2022	9.1	77.2	38.9					37.8
1/27/2022				62.1	89.9 (M1)	76.3		
8/24/2022							2.2	
8/25/2022	10.7	75.5	38.7	62.7	96.3	84.4		45.6
2/14/2023	10						1.6	35.1
2/15/2023		75.7 (M1)	38.1		96.6	78.8		
2/16/2023				54.2				
9/19/2023			37.5				2.2	
9/20/2023	12.5	74.9		34.3	93.8	83.4		44.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		77.4					<1	33.5
2/29/2024	13.3		37.9	45.4	92.7	71.5		
8/13/2024							2.5	
8/14/2024	17.3	78.4	38.8		94.3	61.7		43.4
8/15/2024				18.3				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							62
9/8/2016	48						
10/18/2016			2.2	2.3			
12/6/2016			6.1				
12/7/2016				1.9			57
12/8/2016	46				100		
3/21/2017			5.7				
3/22/2017	53						61
3/23/2017				1.7	100		
7/11/2017	51		4.8	1.8			
7/12/2017					97		53
10/17/2017			6.4	1.9			
10/18/2017	50						
10/19/2017					97		55
2/20/2018			5.2	2.1			
2/21/2018	46.8				93.6		52.1
4/12/2018		4.8 (J)					
5/23/2018		4.5					
6/13/2018		5.3					
7/11/2018		5.4	3.6	2			
7/12/2018	48.3				89.4		53.9
8/17/2018		4.5					
9/12/2018		4.4	2.7				
9/13/2018	42			2.1			67.5
9/14/2018					88.9		
10/4/2018		5.8			97.8		
10/24/2018		6.2					
3/26/2019			1.6				
3/27/2019	43.7	3.7		2.4			
3/28/2019					76.7		59.6
10/1/2019				2.2			
10/2/2019	43	4.1	1.6				
10/3/2019					72.1		59.6
3/24/2020		3.1					
3/25/2020	39.1		1.5	1.9			
3/26/2020					66.6		57.1
10/6/2020		3.1	0.98 (J)	1.9			
10/7/2020	38.1				54.6		48.9
3/3/2021	39.2		0.6 (J)	2			
3/4/2021					49.3		49.7
3/8/2021		2.7					
9/14/2021		3.8		1.8			
9/15/2021	37.8		0.64 (J)				
9/16/2021					40.4		41.8
1/25/2022		2.9					
1/26/2022	37.5		0.69 (J)	1.9			
1/27/2022					40	94.5	46.7
8/24/2022	35.7	2	0.56 (J)	1.7	34.7		
8/25/2022							47.3
8/26/2022						87.2	
2/14/2023		2.6	0.89 (J)	2			
2/15/2023	37.1						49.9

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/16/2023					36	77.7	
9/19/2023	34.7	3.2	0.61 (J)	1.5			
9/20/2023							40.7
9/21/2023					34.8	66.7	
2/27/2024	34	2.6		1.4			
2/28/2024			0.54 (J)				40.3
2/29/2024					32.2	65.1	
8/13/2024	34.8	3.3	0.8 (J)	1.7			
8/15/2024					31.6	59.7	39

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							<0.001	
8/31/2016	<0.001							<0.001
9/1/2016		<0.001						
9/6/2016			<0.001					
9/7/2016				<0.001	<0.001	<0.001		
12/6/2016							<0.001	
12/7/2016	<0.001	<0.001	<0.001					0.0002 (J)
12/8/2016				<0.001	<0.001	0.0003 (J)		
3/21/2017	6E-05 (J)						<0.001	0.0003 (J)
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)			
3/23/2017						0.0003 (J)		
7/11/2017	<0.001		0.0002 (J)				<0.001	0.0002 (J)
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)		
10/17/2017							<0.001	
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)			0.0001 (J)
10/19/2017						0.0005 (J)		
2/20/2018	<0.001						<0.001	0.00026 (J)
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)		
7/11/2018	<0.001						<0.001	0.00018 (J)
7/12/2018		<0.001	<0.001			0.00077 (J)		
8/15/2018					<0.001			
8/16/2018				<0.001				
9/12/2018	<0.001						<0.001	
9/13/2018		<0.001	0.00017 (J)		<0.001			<0.001
9/14/2018				<0.001		0.00076 (J)		
9/10/2019								<0.001
10/1/2019							<0.001	
10/2/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)				
10/3/2019					<0.001	0.00071 (X)		
3/24/2020							<0.001	
3/25/2020	<0.001			0.0002 (J)				0.00015 (J)
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)		
8/25/2020							<0.001	
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)		0.00016 (J)
8/27/2020					<0.001			
10/6/2020	<0.001		<0.001				<0.001	<0.001
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)		
3/3/2021	<0.001					0.00072 (J)	<0.001	0.00017 (J)
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001			
9/14/2021							<0.001	
9/15/2021	<0.001	0.0002 (J)	<0.001					<0.001
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)		
1/25/2022							<0.001	
1/26/2022	<0.001	<0.001	<0.001					<0.001
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)		
8/24/2022							<0.001	
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)		<0.001
2/14/2023	<0.001						<0.001	<0.001
2/15/2023		<0.001	<0.001		<0.001	0.00051 (J)		
2/16/2023				0.00038 (J)				
9/19/2023			<0.001				0.00028 (J)	
9/20/2023	<0.001	<0.001		0.00024 (J)	<0.001	0.00052 (J)		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		<0.001					<0.001	<0.001
2/29/2024	<0.001		<0.001	<0.001	<0.001	0.0005 (J)		
8/13/2024							<0.001	
8/14/2024	<0.001	<0.001	<0.001		<0.001	0.00045 (J)		<0.001
8/15/2024				<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							<0.001
9/8/2016	<0.001						
10/18/2016			<0.001	<0.001			
12/6/2016			<0.001				
12/7/2016				0.0002 (J)			<0.001
12/8/2016	<0.001				<0.001		
3/21/2017			6E-05 (J)				
3/22/2017	<0.001						0.0002 (J)
3/23/2017				8E-05 (J)	0.0001 (J)		
7/11/2017	<0.001		<0.001	7E-05 (J)			
7/12/2017					0.0001 (J)		0.0001 (J)
10/17/2017			<0.001	8E-05 (J)			
10/18/2017	<0.001						
10/19/2017					0.0001 (J)		0.0001 (J)
2/20/2018			<0.001	<0.001			
2/21/2018	<0.001				<0.001		<0.001
4/12/2018		<0.001					
5/23/2018		<0.001					
6/13/2018		<0.001					
7/11/2018		<0.001	<0.001	<0.001			
7/12/2018	<0.001				<0.001		<0.001
8/17/2018		<0.001					
9/12/2018		<0.001	<0.001				
9/13/2018	<0.001			<0.001			<0.001
9/14/2018					<0.001		
10/4/2018		<0.001			<0.001		
10/24/2018		0.00016 (J)					
10/1/2019				<0.001			
10/2/2019	0.00024 (X)	<0.001	<0.001				
10/3/2019					0.00018 (X)		7.8E-05 (X)
3/24/2020		<0.001					
3/25/2020	0.00037 (J)		<0.001	<0.001			
3/26/2020					0.00015 (J)		8.5E-05 (J)
8/25/2020			<0.001	<0.001			
8/26/2020	0.00037 (J)	<0.001			<0.001		<0.001
10/6/2020		<0.001	<0.001	<0.001			
10/7/2020	0.00027 (J)				<0.001		<0.001
3/3/2021	0.00036 (J)		<0.001	<0.001			
3/4/2021					<0.001		<0.001
3/8/2021		<0.001					
9/14/2021		<0.001		<0.001			
9/15/2021	0.00066 (J)		<0.001				
9/16/2021					<0.001		<0.001
1/25/2022		<0.001					
1/26/2022	0.00039 (J)		<0.001	<0.001			
1/27/2022					<0.001	<0.001	<0.001
8/24/2022	0.00048 (J)	<0.001	<0.001	<0.001	<0.001		
8/25/2022							<0.001
8/26/2022						<0.001	
2/14/2023		<0.001	<0.001	<0.001			
2/15/2023	0.00045 (J)						<0.001
2/16/2023					<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/19/2023	0.00061 (J)	<0.001	<0.001	<0.001			
9/20/2023							<0.001
9/21/2023					<0.001	<0.001	
2/27/2024	0.00065 (J)	<0.001		<0.001			
2/28/2024			<0.001				<0.001
2/29/2024					<0.001	<0.001	
8/13/2024	0.0008 (J)	<0.001	<0.001	<0.001			
8/15/2024					<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
8/30/2016							136	
8/31/2016	344							400
9/1/2016		284						
9/6/2016			257					
9/7/2016				392	415	508		
12/6/2016							207	
12/7/2016	393	242	248					406
12/8/2016				431	441	556		
3/21/2017	276						128	409
3/22/2017		332	304	456	469			
3/23/2017						482		
7/11/2017	263		265				138	414
7/12/2017		308		445	432	497		
10/17/2017							101	
10/18/2017	261	275	240	349	368			366
10/19/2017						448		
2/20/2018	295						138	429
2/21/2018		312	285	411	409	500		
7/11/2018	294						153	440
7/12/2018		337	285			523		
8/15/2018					422			
8/16/2018				415				
9/12/2018	286						146	
9/13/2018		336	291		438			448
9/14/2018				403		486		
3/26/2019							334	
3/27/2019	281		277		408			410
3/28/2019		337		420		378		
9/10/2019								420
10/1/2019							146	
10/2/2019	312	355	284	415				
10/3/2019					464	485		
3/24/2020							228	
3/25/2020	330			408				454
3/26/2020		330	286		415	440		
10/6/2020	241		261				153	462
10/7/2020		336		392	425	492		
3/3/2021	258					452	134	444
3/4/2021		300	264	325	427			
9/14/2021							150	
9/15/2021	292	326	270					422
9/16/2021				330	419	450		
1/25/2022							148	
1/26/2022	288	308	267					413
1/27/2022				329	433	442		
8/24/2022							139	
8/25/2022	259	319	90	321	446	528		437
2/14/2023	300						200	414
2/15/2023		329	334		477	529		
2/16/2023				299				
9/19/2023			298				146	
9/20/2023	293	328		256	451	512		421

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-1D (bg)	PZ-23A
2/28/2024		342					176	430
2/29/2024	308		292	277	473	470		
8/13/2024							163	
8/14/2024	284	342	311		468	436		436
8/15/2024				245				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
9/1/2016							373
9/8/2016	293						
10/18/2016			264	152			
12/6/2016			299				
12/7/2016				214			433
12/8/2016	309				503 (o)		
3/21/2017			260				
3/22/2017	299						409
3/23/2017				165	430		
7/11/2017	301		244	162			
7/12/2017					438		374
10/17/2017			218	140			
10/18/2017	256						
10/19/2017					393		318
2/20/2018			264	163			
2/21/2018	297				435		367
4/12/2018		69					
5/23/2018		62					
6/13/2018		93					
7/11/2018		84	273	192			
7/12/2018	310				447		423
8/17/2018		115					
9/12/2018		97	252				
9/13/2018	307			192			394
9/14/2018					447		
10/4/2018		103			450		
10/24/2018		110					
3/26/2019			253				
3/27/2019	287	87		167			
3/28/2019					405		365
10/1/2019				187			
10/2/2019	312	95	263				
10/3/2019					414		405
3/24/2020		123					
3/25/2020	280		278	178			
3/26/2020					336		332
10/6/2020		81	254	169			
10/7/2020	280				337		334
3/3/2021	267		264	166			
3/4/2021					283		335
3/8/2021		126					
9/14/2021		71		179			
9/15/2021	272		256				
9/16/2021					296		307
1/25/2022		68					
1/26/2022	276		262	182			
1/27/2022					274	387	331
8/24/2022			261		265		
8/25/2022							325
8/26/2022						358	
10/11/2022	267	75		173			
2/14/2023		140	257	177			

Time Series

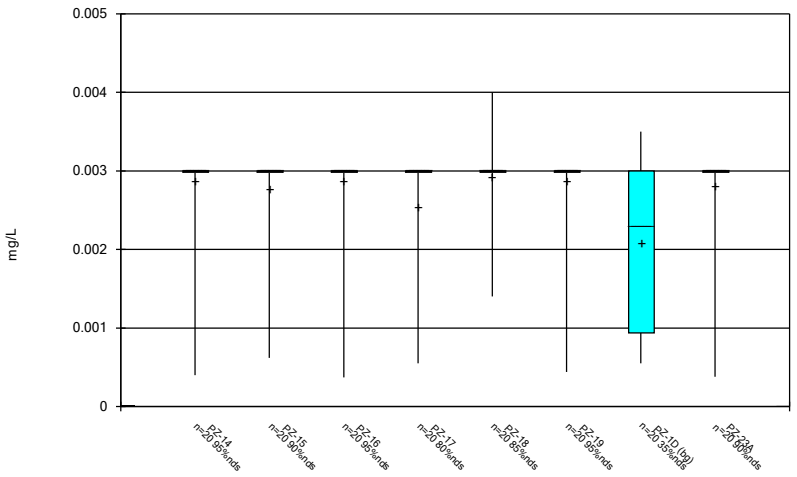
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:17 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-57	PZ-7D
2/15/2023	264						335 (D6)
2/16/2023					293	421	
9/19/2023	311	86	265	217			
9/20/2023							302
9/21/2023					300	311	
2/27/2024	287	75		192			
2/28/2024			276				325
2/29/2024					314	334	
8/13/2024	273	69	263	187			
8/15/2024					341	348	350

FIGURE B.

Box & Whiskers Plot

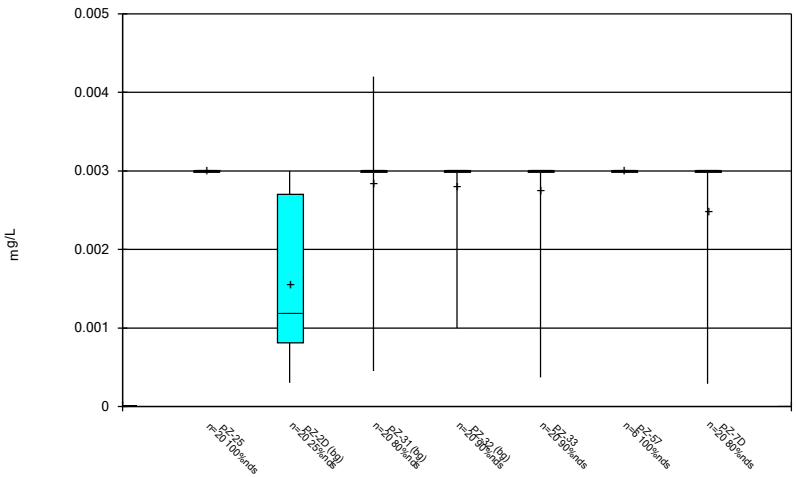


Constituent: Antimony Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

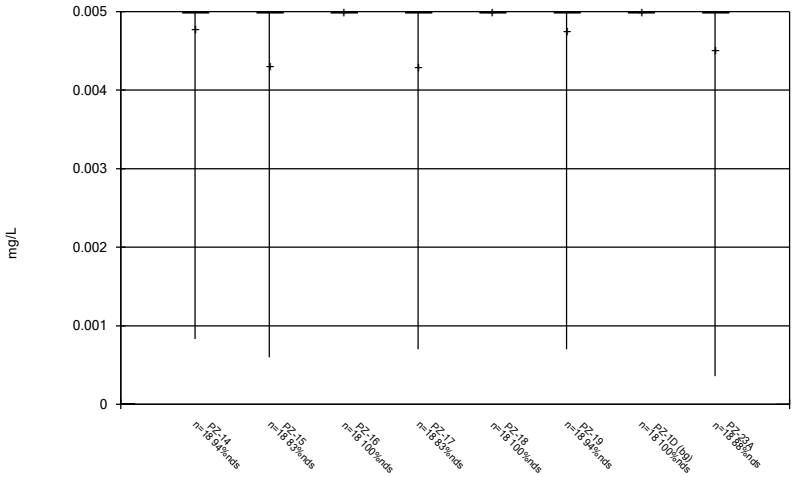


Constituent: Antimony Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

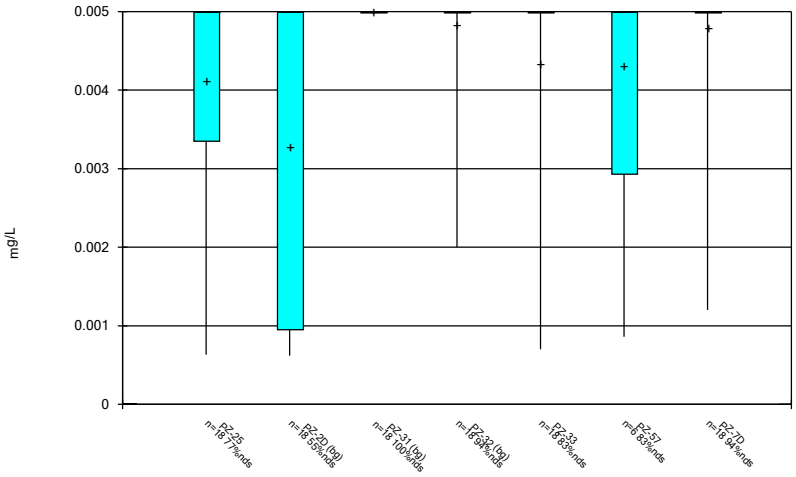


Constituent: Arsenic Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

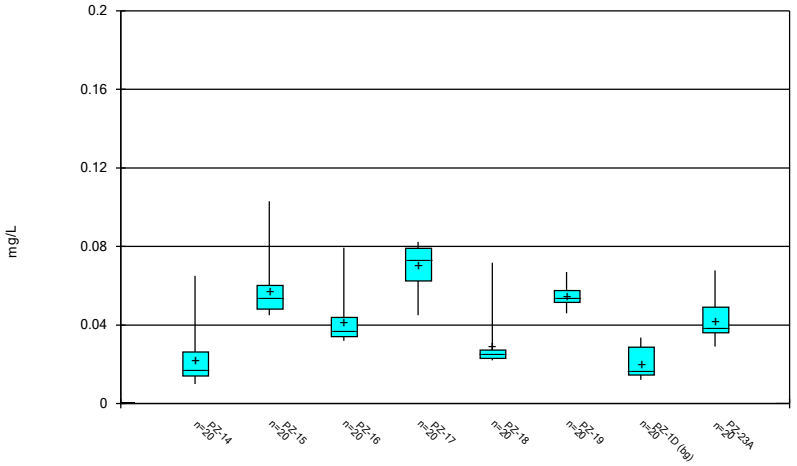
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

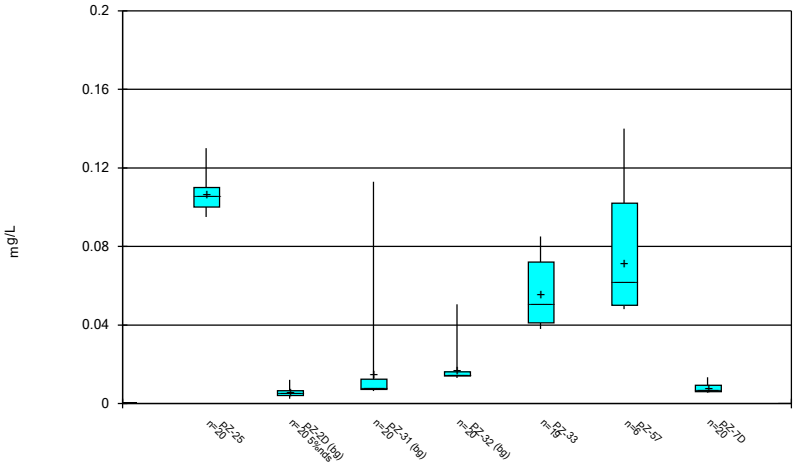


Constituent: Barium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

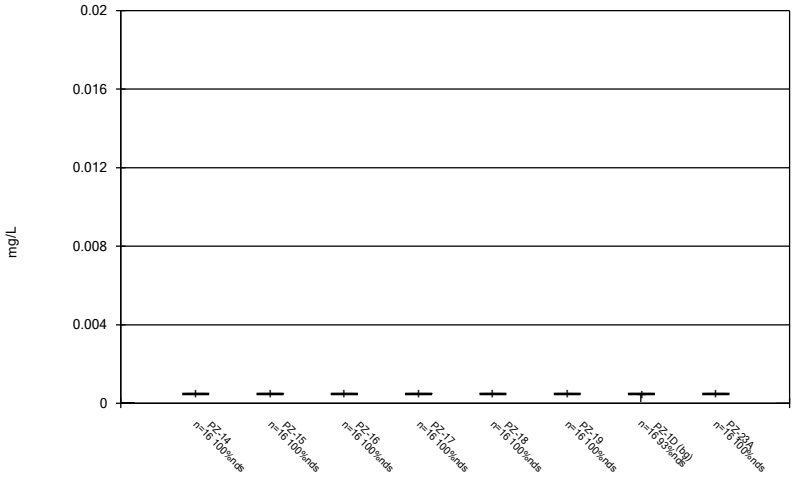


Constituent: Barium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

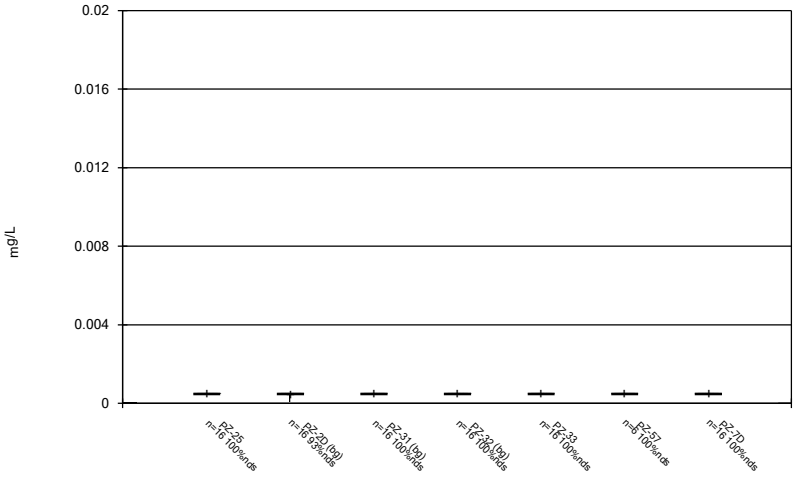


Constituent: Beryllium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

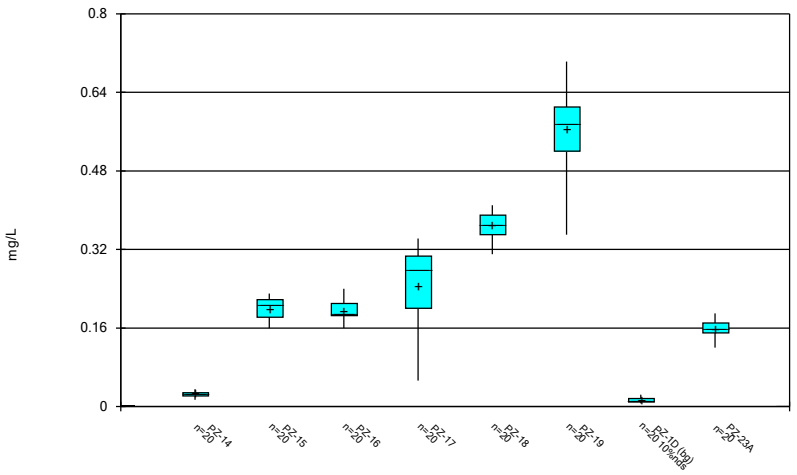
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

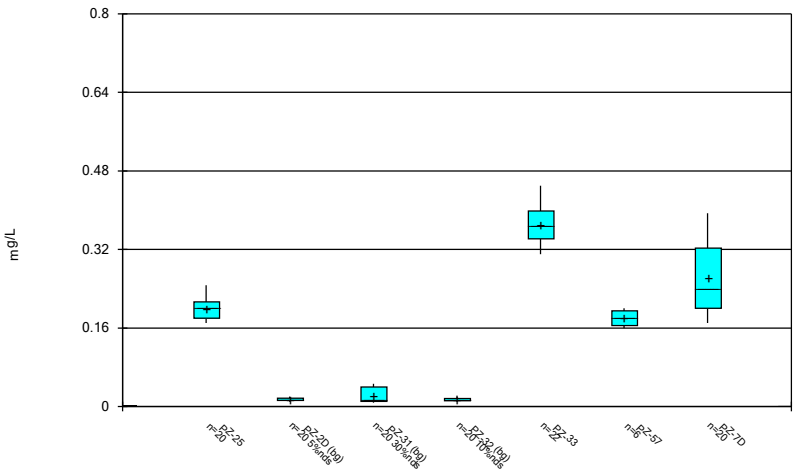


Constituent: Boron Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

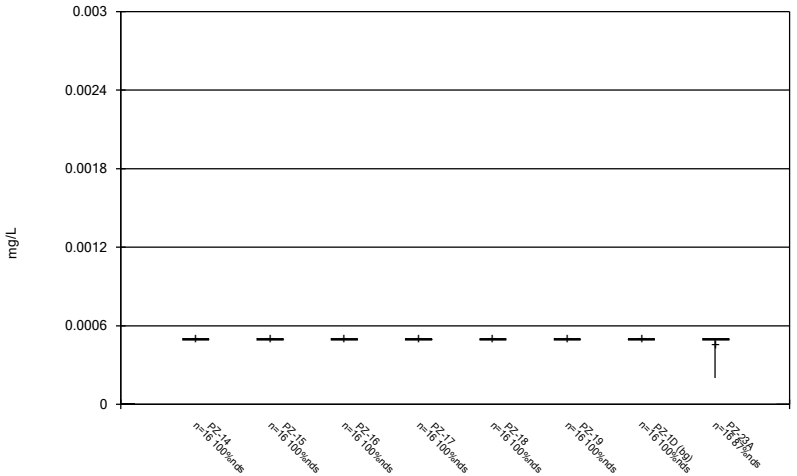


Constituent: Boron Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

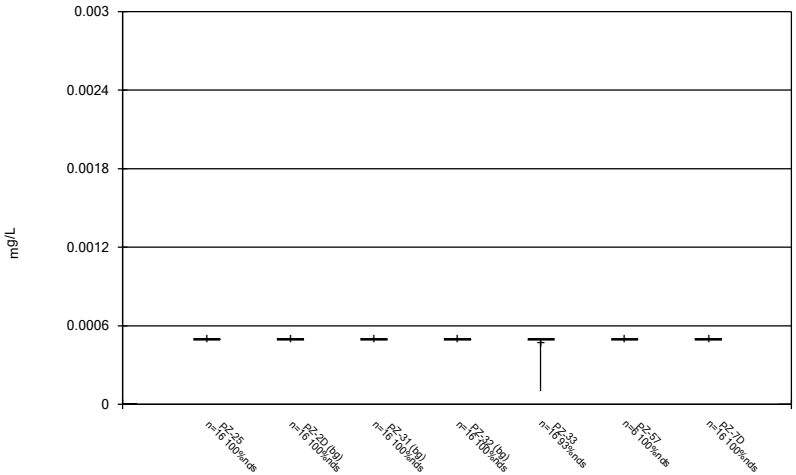


Constituent: Cadmium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

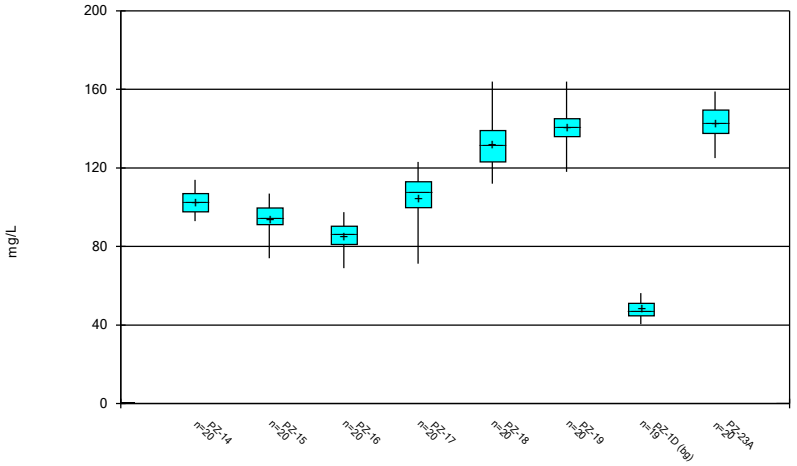
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

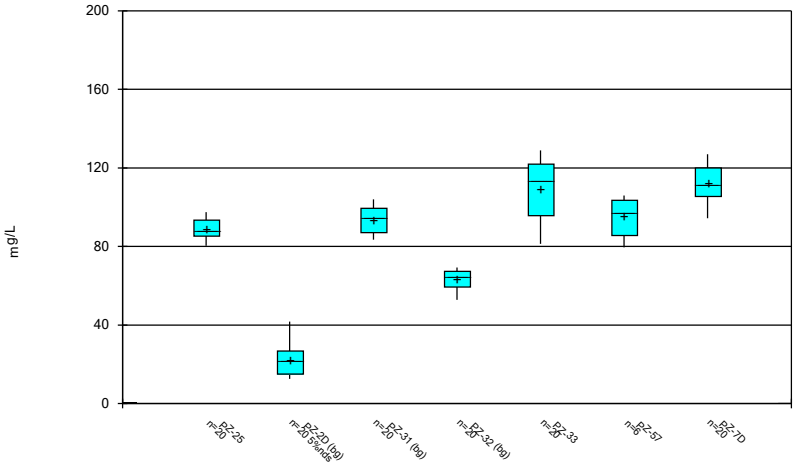


Constituent: Calcium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

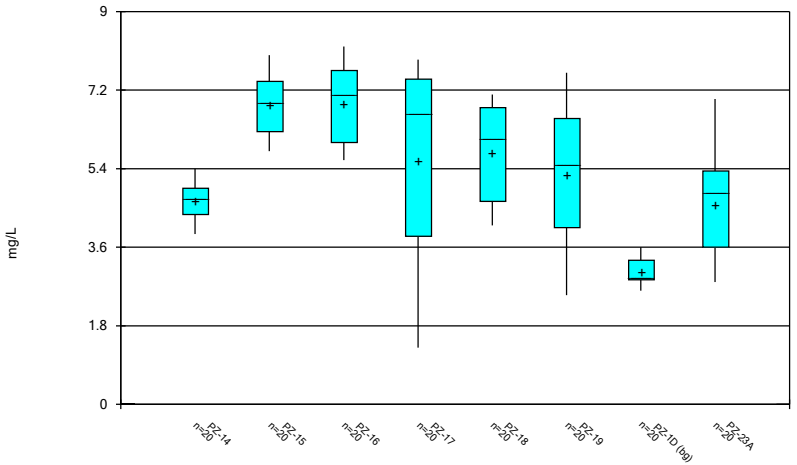


Constituent: Calcium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

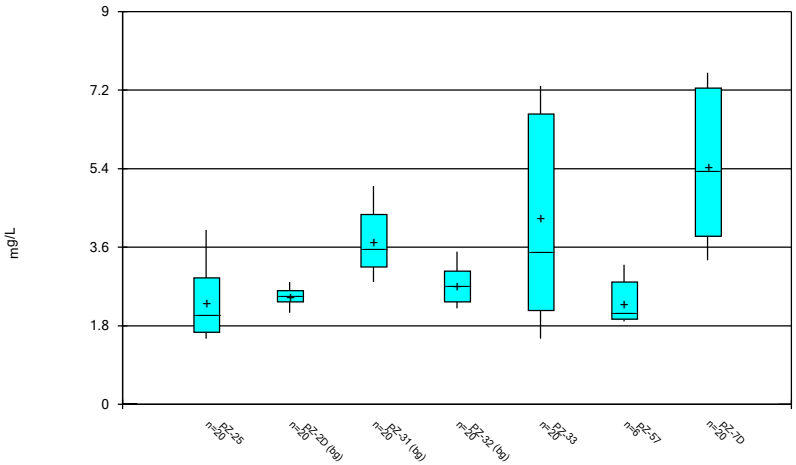


Constituent: Chloride Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

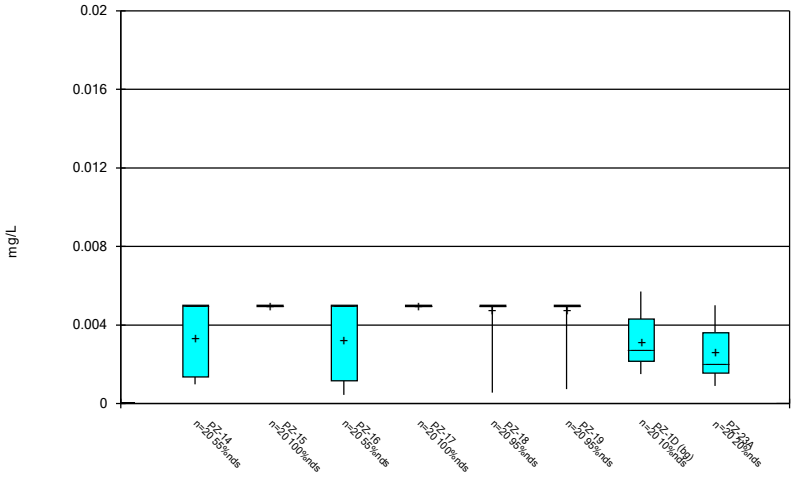
Box & Whiskers Plot



Constituent: Chloride Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

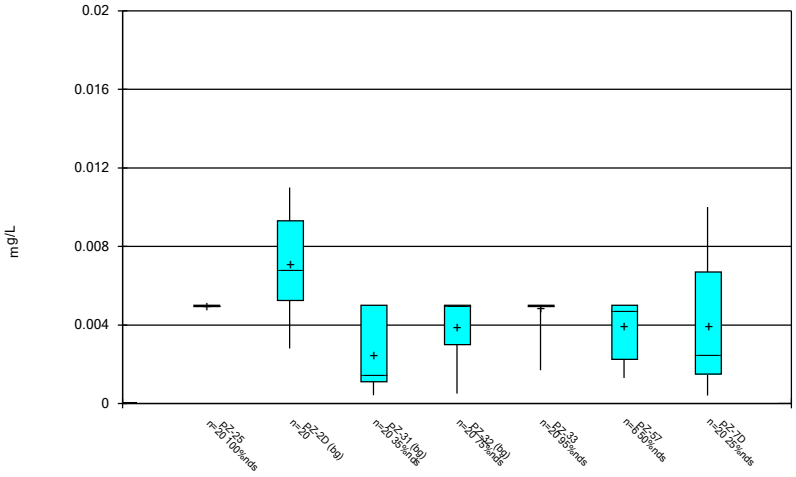


Constituent: Chromium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

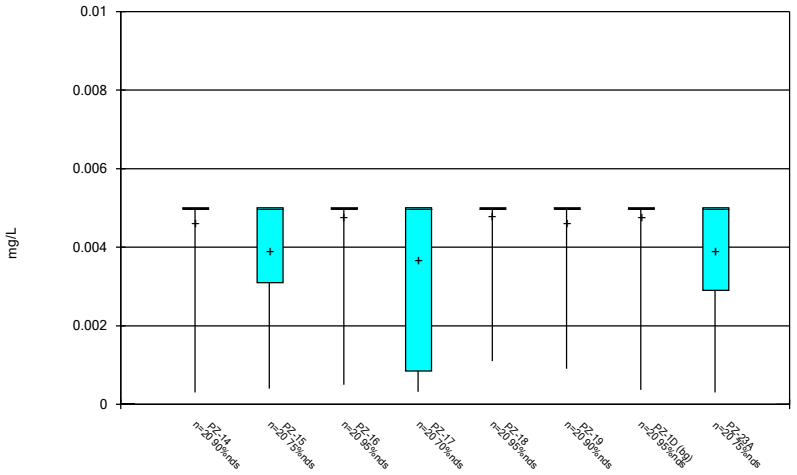


Constituent: Chromium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

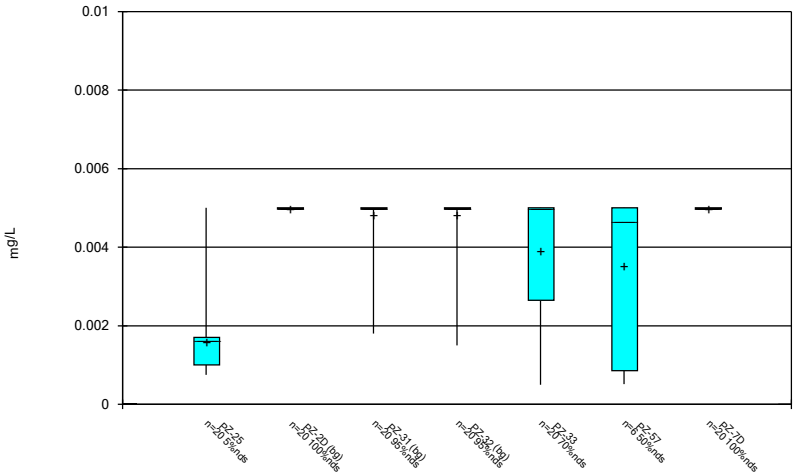


Constituent: Cobalt Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

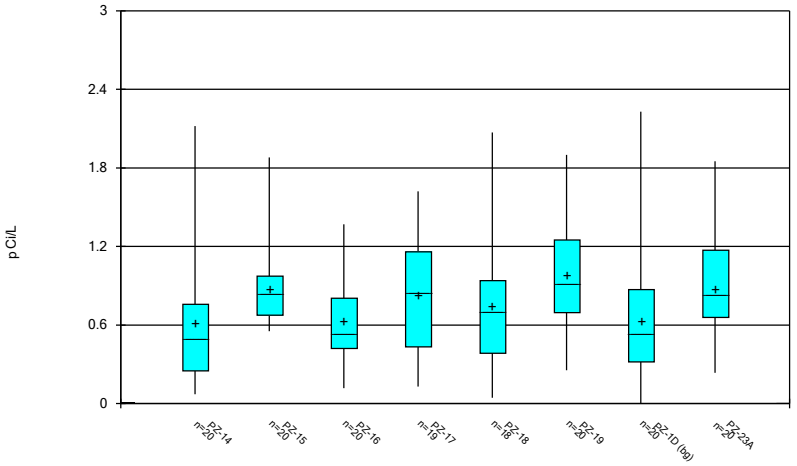
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

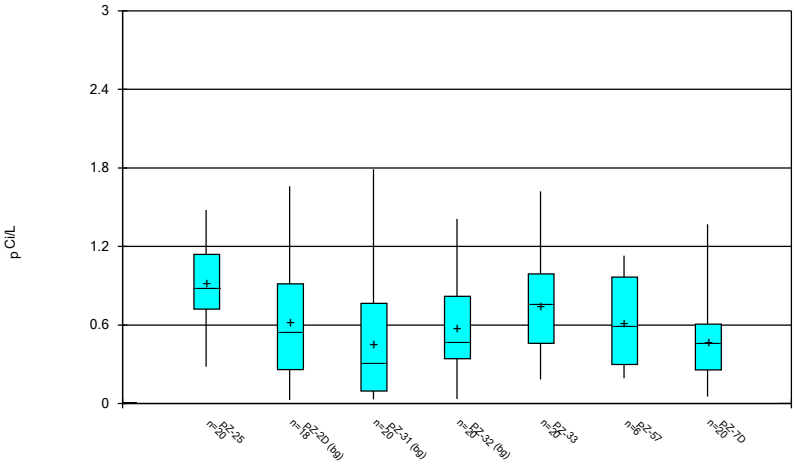


Constituent: Combined Radium 226 + 228 Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

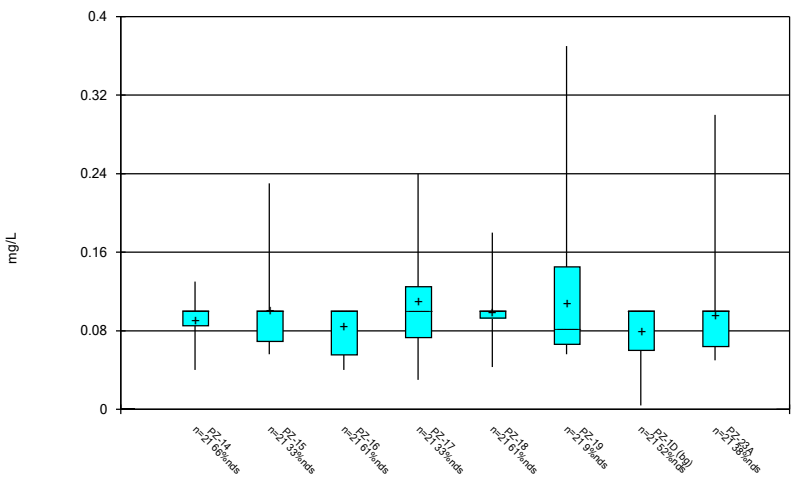


Constituent: Combined Radium 226 + 228 Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

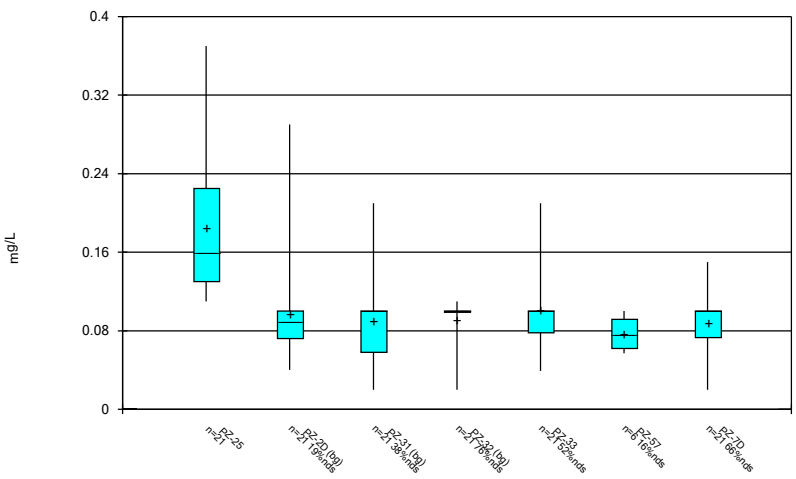


Constituent: Fluoride Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

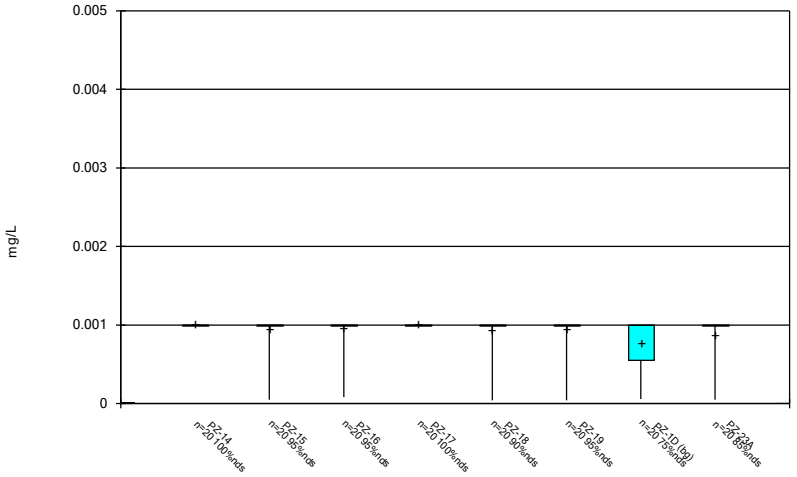
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

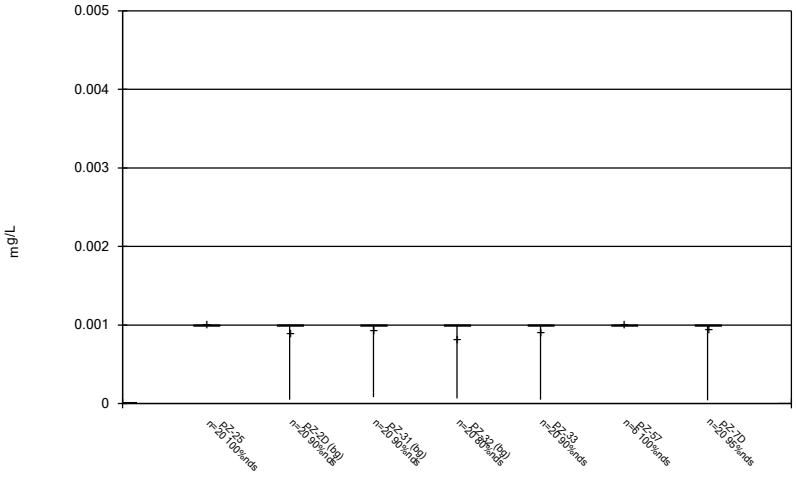


Constituent: Lead Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

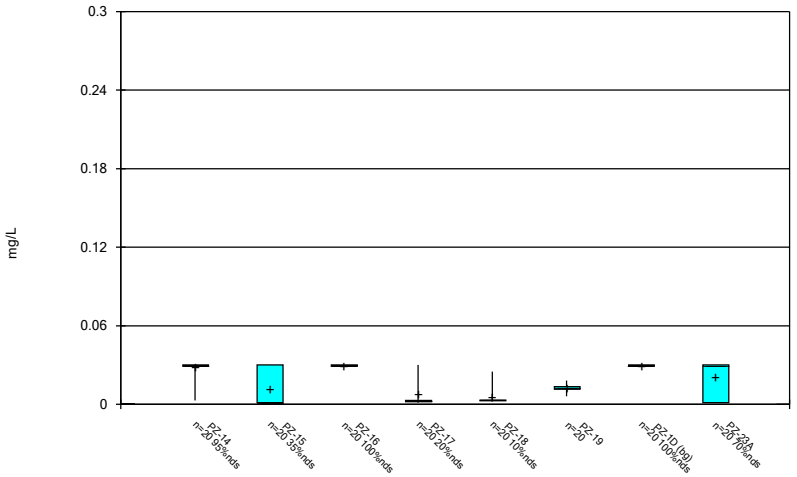


Constituent: Lead Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

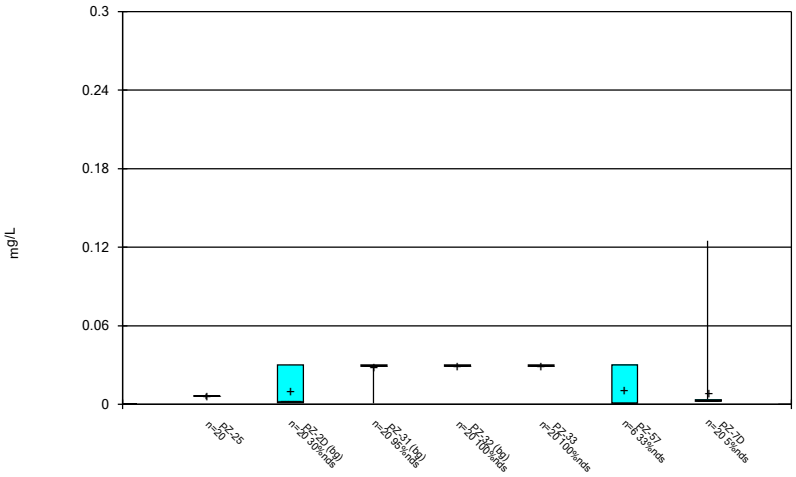


Constituent: Lithium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

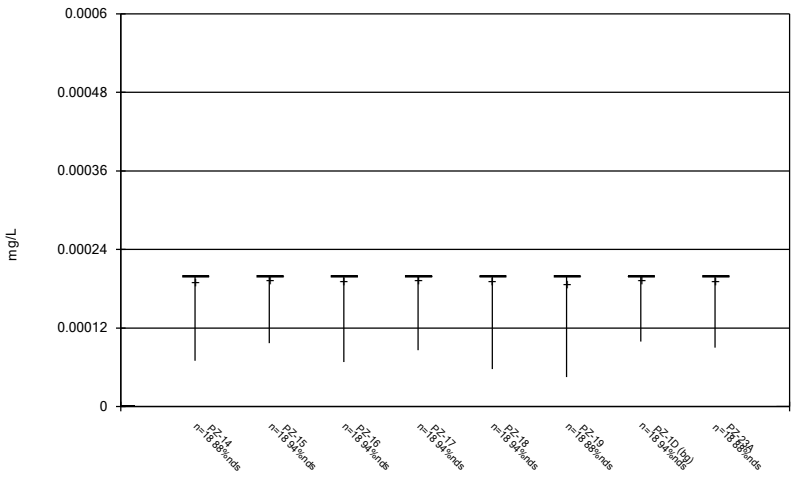
Box & Whiskers Plot



Constituent: Lithium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

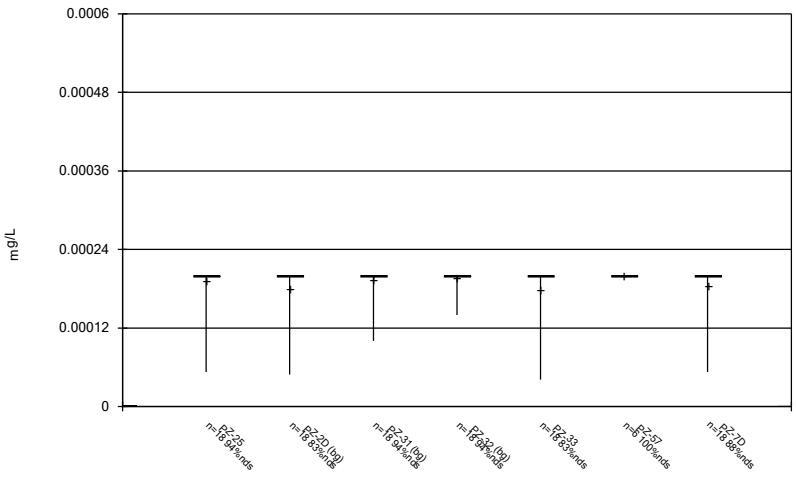


Constituent: Mercury Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

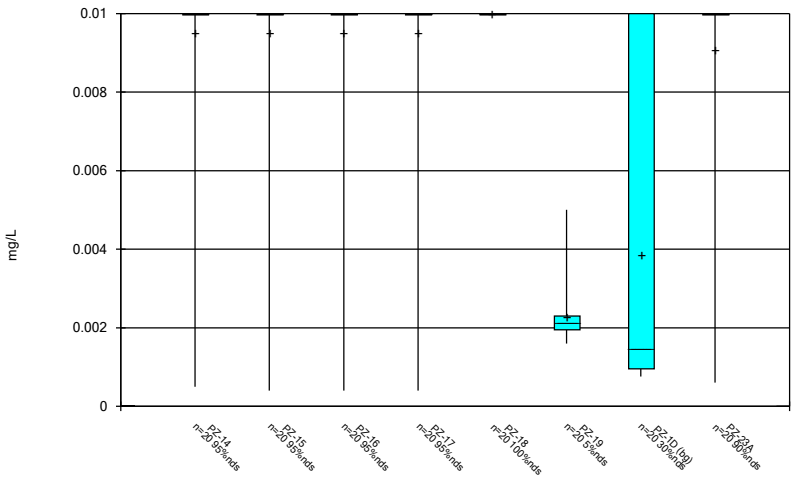


Constituent: Mercury Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

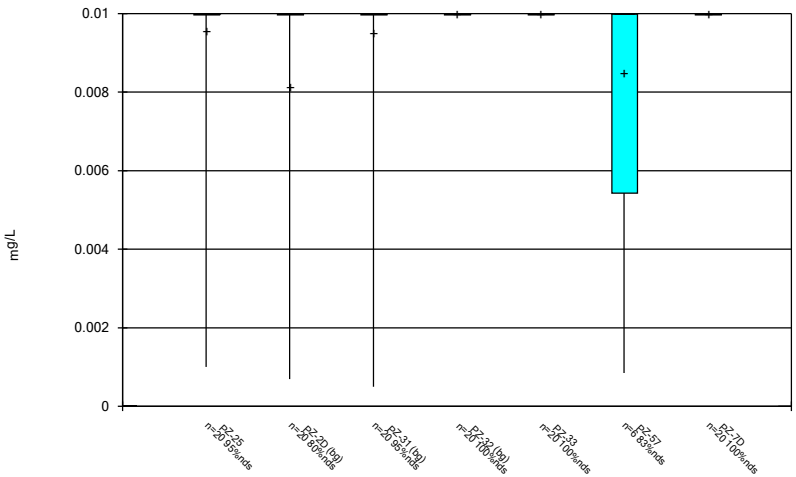


Constituent: Molybdenum Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

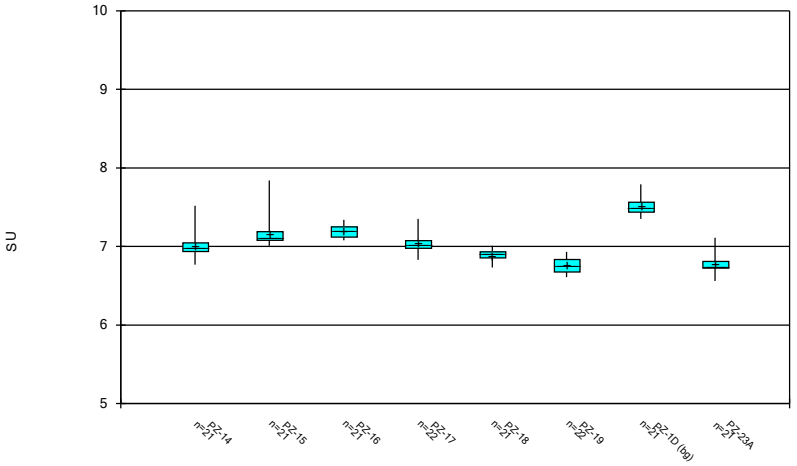
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

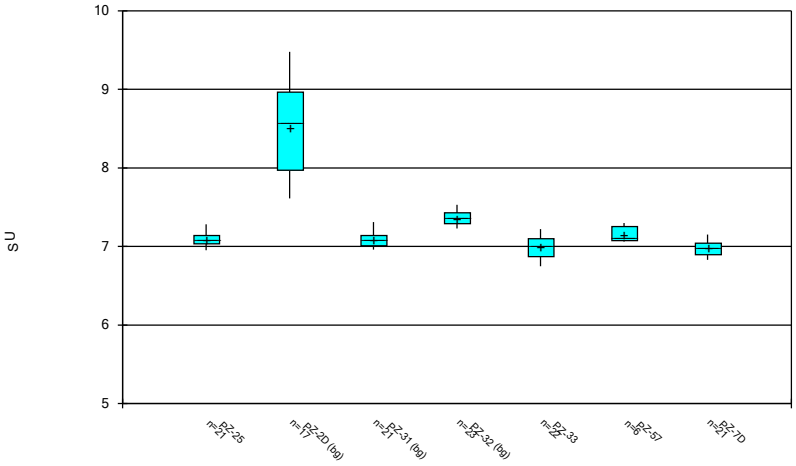


Constituent: pH Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

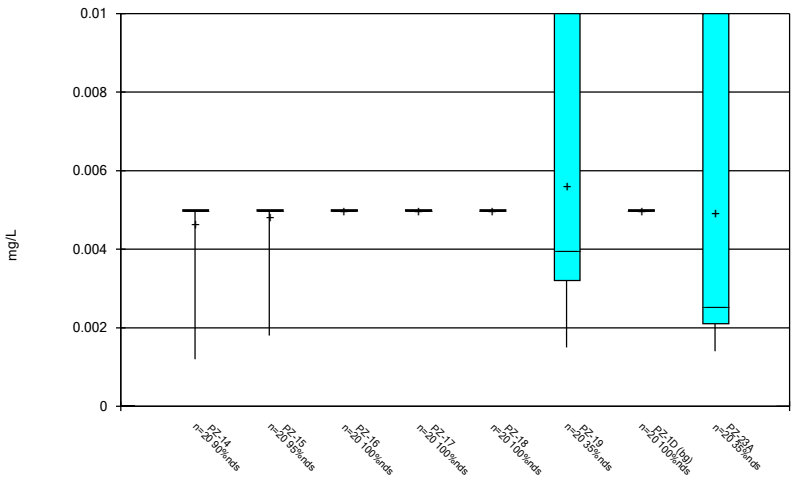


Constituent: pH Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

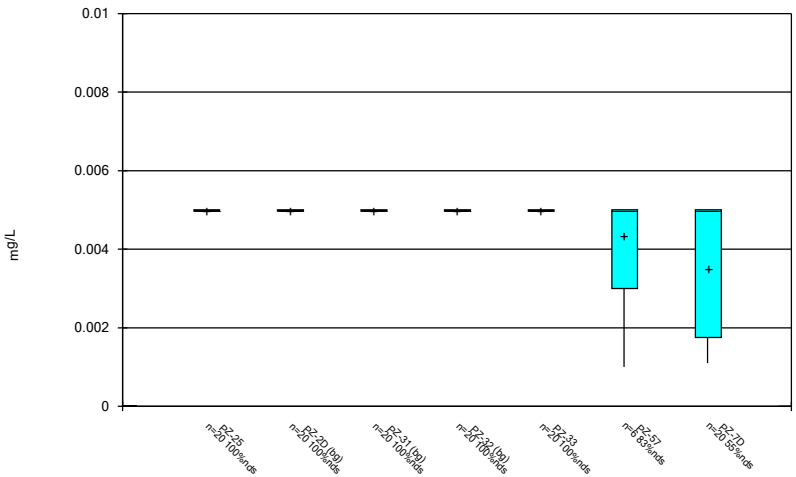


Constituent: Selenium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

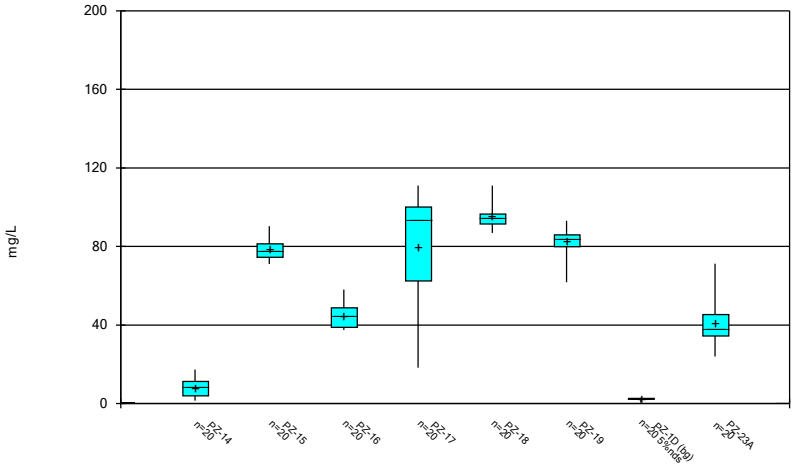
Box & Whiskers Plot



Constituent: Selenium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

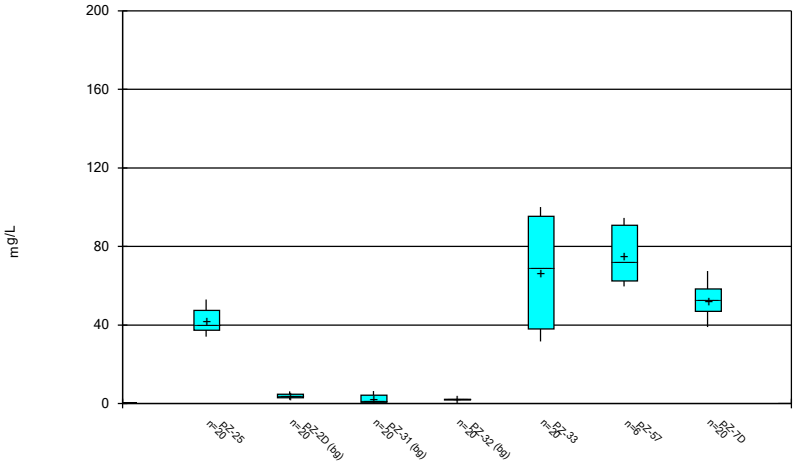


Constituent: Sulfate Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

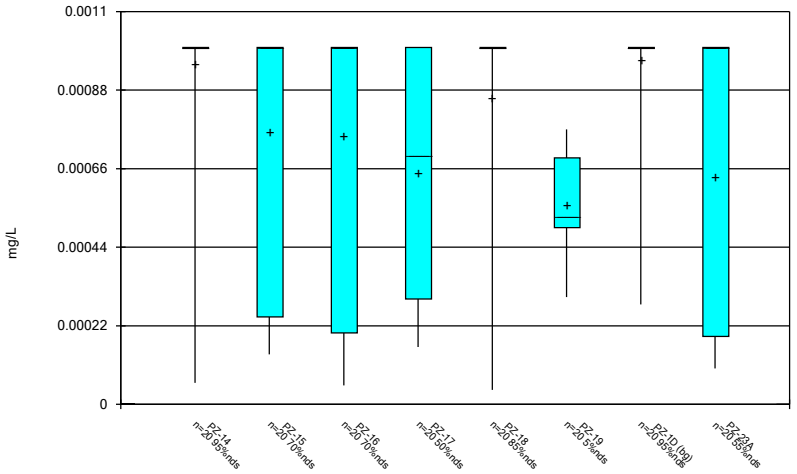


Constituent: Sulfate Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

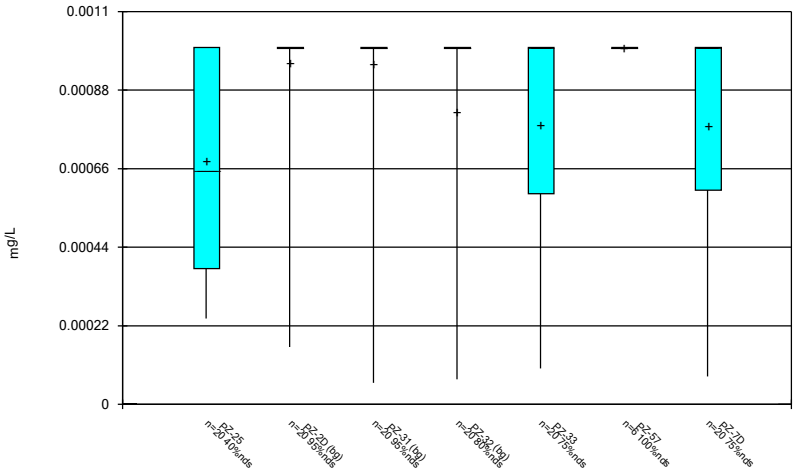


Constituent: Thallium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

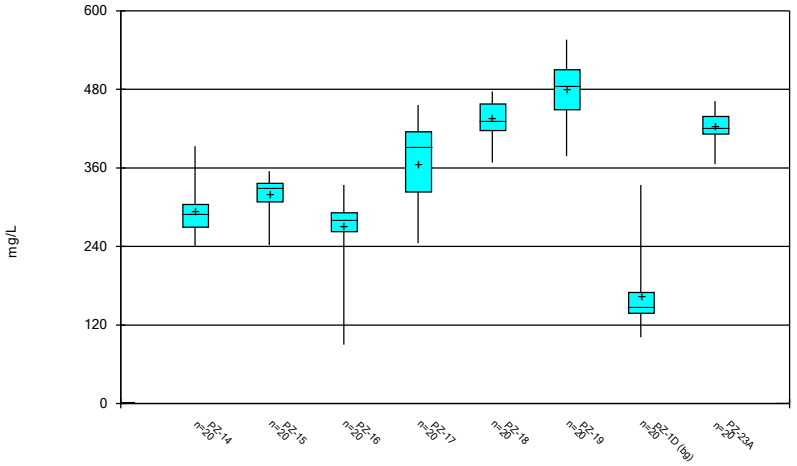
Box & Whiskers Plot



Constituent: Thallium Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Box & Whiskers Plot

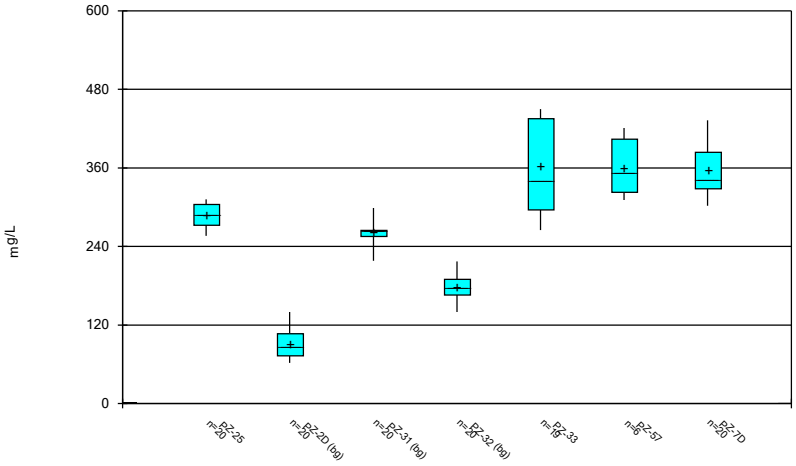


Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:18 PM

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE C.

Outlier Summary

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:20 PM

	PZ-33 Barium (mg/L)	PZ-1D Calcium (mg/L)	PZ-33 pH (SU)	PZ-33 Total Dissolved Solids [TDS] (mg/L)
12/8/2016	0.162 (o)			503 (o)
7/11/2017			7.82 (o)	
7/11/2018		65.3 (o)		

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-15	0.02721	n/a	8/14/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02721	n/a	8/14/2024	0.19	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02721	n/a	8/15/2024	0.053	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02721	n/a	8/14/2024	0.37	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02721	n/a	8/14/2024	0.35	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02721	n/a	8/14/2024	0.16	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02721	n/a	8/13/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02721	n/a	8/15/2024	0.35	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-57	0.02721	n/a	8/15/2024	0.18	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-7D	0.02721	n/a	8/15/2024	0.19	Yes	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	110	n/a	8/14/2024	139	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	110	n/a	8/14/2024	118	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	110	n/a	8/14/2024	141	Yes	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	5	n/a	8/14/2024	6.1	Yes	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-16	5	n/a	8/14/2024	5.9	Yes	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
pH (SU)	PZ-18	9.48	6.96	8/14/2024	6.92	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-19	9.48	6.96	8/14/2024	6.9	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-23A	9.48	6.96	8/14/2024	6.75	Yes	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-14	5.898	n/a	8/14/2024	17.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	5.898	n/a	8/14/2024	78.4	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	5.898	n/a	8/14/2024	38.8	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	5.898	n/a	8/15/2024	18.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	5.898	n/a	8/14/2024	94.3	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	5.898	n/a	8/14/2024	61.7	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	5.898	n/a	8/14/2024	43.4	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	5.898	n/a	8/13/2024	34.8	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	5.898	n/a	8/15/2024	31.6	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-57	5.898	n/a	8/15/2024	59.7	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-7D	5.898	n/a	8/15/2024	39	Yes	80	1.25	None	sqrt(x)	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-15	307.1	n/a	8/14/2024	342	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-16	307.1	n/a	8/14/2024	311	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-18	307.1	n/a	8/14/2024	468	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-19	307.1	n/a	8/14/2024	436	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-23A	307.1	n/a	8/14/2024	436	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-33	307.1	n/a	8/15/2024	341	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-57	307.1	n/a	8/15/2024	348	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	PZ-7D	307.1	n/a	8/15/2024	350	Yes	80	0	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	PZ-14	0.02721	n/a	8/14/2024	0.035J	No	80	13.75	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	**PZ-15**	**0.02721**	**n/a**	**8/14/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-16**	**0.02721**	**n/a**	**8/14/2024**	**0.19**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-17**	**0.02721**	**n/a**	**8/15/2024**	**0.053**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-18**	**0.02721**	**n/a**	**8/14/2024**	**0.37**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-19**	**0.02721**	**n/a**	**8/14/2024**	**0.35**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-23A**	**0.02721**	**n/a**	**8/14/2024**	**0.16**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-25**	**0.02721**	**n/a**	**8/13/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-33**	**0.02721**	**n/a**	**8/15/2024**	**0.35**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-57**	**0.02721**	**n/a**	**8/15/2024**	**0.18**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-7D**	**0.02721**	**n/a**	**8/15/2024**	**0.19**	**Yes**	**80**	**13.75**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-14	110	n/a	8/14/2024	100	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	110	n/a	8/14/2024	98	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	110	n/a	8/14/2024	97.5	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	110	n/a	8/15/2024	71.2	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	**PZ-18**	**110**	**n/a**	**8/14/2024**	**139**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-19**	**110**	**n/a**	**8/14/2024**	**118**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-23A**	**110**	**n/a**	**8/14/2024**	**141**	**Yes**	**79**	**1.266**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-25	110	n/a	8/13/2024	88.7	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	110	n/a	8/15/2024	99.2	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-57	110	n/a	8/15/2024	98.3	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-7D	110	n/a	8/15/2024	104	No	79	1.266	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-14	5	n/a	8/14/2024	4.4	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	**PZ-15**	**5**	**n/a**	**8/14/2024**	**6.1**	**Yes**	**80**	**0**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-16**	**5**	**n/a**	**8/14/2024**	**5.9**	**Yes**	**80**	**0**	**n/a**	**n/a**	**0.0002971**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	PZ-17	5	n/a	8/15/2024	1.3	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-18	5	n/a	8/14/2024	4.2	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-19	5	n/a	8/14/2024	2.5	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-23A	5	n/a	8/14/2024	2.8	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-25	5	n/a	8/13/2024	1.6	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-33	5	n/a	8/15/2024	2.9	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-57	5	n/a	8/15/2024	2	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-7D	5	n/a	8/15/2024	3.3	No	80	0	n/a	n/a	0.0002971	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	8/14/2024	0.065J	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	8/14/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	8/13/2024	0.12	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-57	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	8/15/2024	0.1ND	No	84	46.43	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
pH (SU)	PZ-14	9.48	6.96	8/14/2024	7.52	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-15	9.48	6.96	8/14/2024	7.11	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-16	9.48	6.96	8/14/2024	7.15	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-17	9.48	6.96	8/15/2024	7.35	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	**PZ-18**	**9.48**	**6.96**	**8/14/2024**	**6.92**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	**PZ-19**	**9.48**	**6.96**	**8/14/2024**	**6.9**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	**PZ-23A**	**9.48**	**6.96**	**8/14/2024**	**6.75**	**Yes**	**82**	**0**	**n/a**	**n/a**	**0.00057**	**NP Inter (normality) 1 of 2**
pH (SU)	PZ-25	9.48	6.96	8/13/2024	7.06	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-33	9.48	6.96	8/15/2024	7.07	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-57	9.48	6.96	8/15/2024	7.1	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
pH (SU)	PZ-7D	9.48	6.96	8/15/2024	7.05	No	82	0	n/a	n/a	0.00057	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**PZ-14**	**5.898**	**n/a**	**8/14/2024**	**17.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-15**	**5.898**	**n/a**	**8/14/2024**	**78.4**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-16**	**5.898**	**n/a**	**8/14/2024**	**38.8**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-17**	**5.898**	**n/a**	**8/15/2024**	**18.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-18**	**5.898**	**n/a**	**8/14/2024**	**94.3**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-19**	**5.898**	**n/a**	**8/14/2024**	**61.7**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-23A**	**5.898**	**n/a**	**8/14/2024**	**43.4**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-25**	**5.898**	**n/a**	**8/13/2024**	**34.8**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-33**	**5.898**	**n/a**	**8/15/2024**	**31.6**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-57**	**5.898**	**n/a**	**8/15/2024**	**59.7**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-7D**	**5.898**	**n/a**	**8/15/2024**	**39**	**Yes**	**80**	**1.25**	**None**	**sqrt(x)**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-14	307.1	n/a	8/14/2024	284	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-15**	**307.1**	**n/a**	**8/14/2024**	**342**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:27 PM

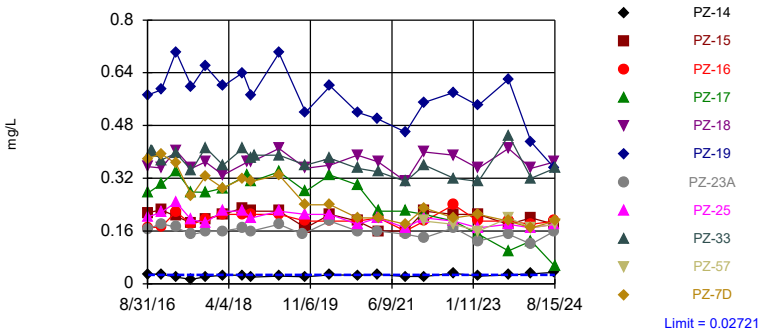
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	**PZ-16**	**307.1**	**n/a**	**8/14/2024**	**311**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-17	307.1	n/a	8/15/2024	245	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-18**	**307.1**	**n/a**	**8/14/2024**	**468**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-19**	**307.1**	**n/a**	**8/14/2024**	**436**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-23A**	**307.1**	**n/a**	**8/14/2024**	**436**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	PZ-25	307.1	n/a	8/13/2024	273	No	80	0	None	No	0.0007523	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**307.1**	**n/a**	**8/15/2024**	**341**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-57**	**307.1**	**n/a**	**8/15/2024**	**348**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**307.1**	**n/a**	**8/15/2024**	**350**	**Yes**	**80**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57, PZ-7D

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.277, Std. Dev.=0.3391, n=80, 13.75% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9662, critical = 0.957. Kappa = 1.984 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 11 points to limit.

Constituent: Boron Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

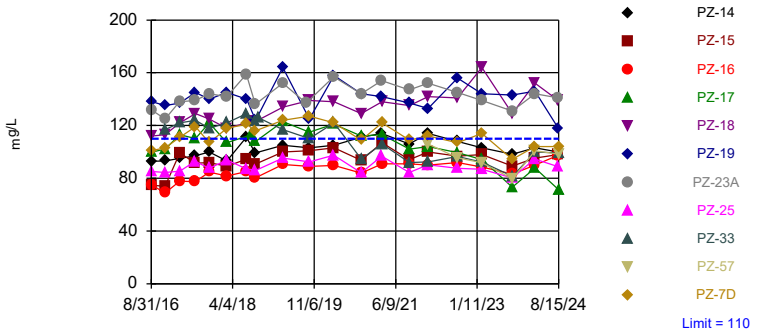
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: PZ-18, PZ-19, PZ-23A

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=56.82, Std. Dev.=26.79, n=79, 1.266% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9639, critical = 0.957. Kappa = 1.985 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 11 points to limit.

Constituent: Calcium Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

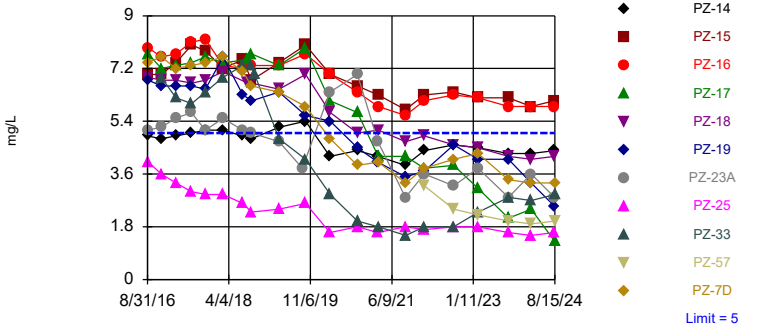
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: PZ-15, PZ-16

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. Annual per-constituent alpha = 0.005926. Individual comparison alpha = 0.0002971 (1 of 2). Comparing 11 points to limit.

Constituent: Chloride Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

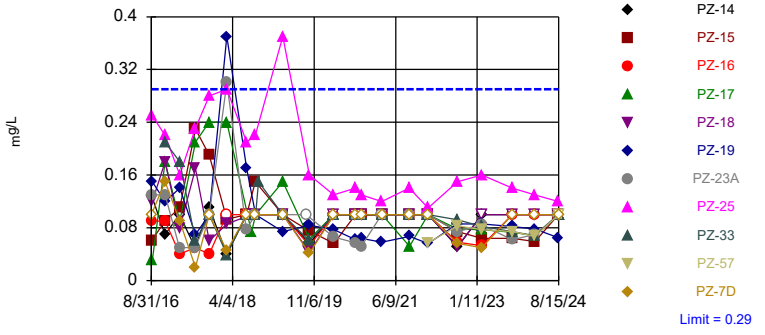
Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

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 84 background values. 46.43% NDs. Annual per-constituent alpha = 0.005442. Individual comparison alpha = 0.0002728 (1 of 2). Comparing 11 points to limit.

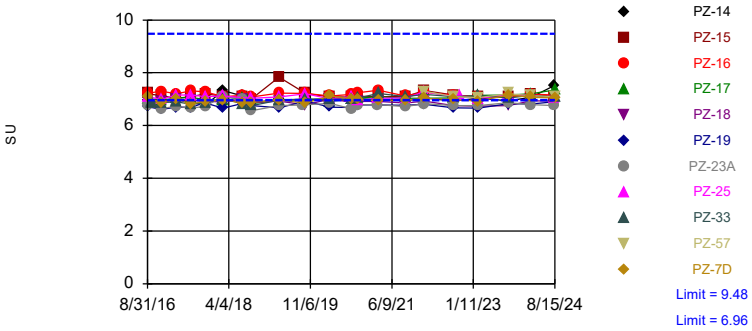
Constituent: Fluoride Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limits: PZ-18, PZ-19, PZ-23A

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 82 background values. Annual per-constituent alpha = 0.01137. Individual comparison alpha = 0.00057 (1 of 2). Comparing 11 points to limit.

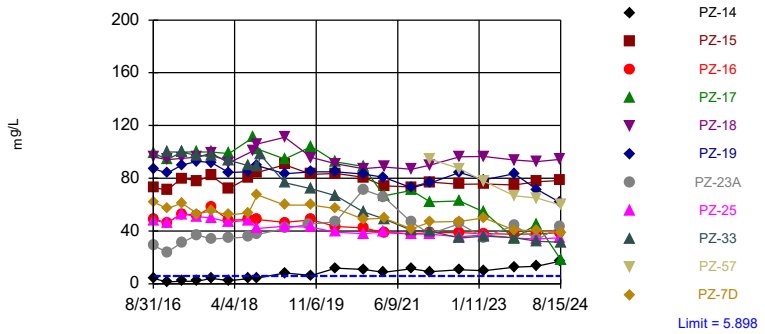
Constituent: pH Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, PZ-57, PZ-7D

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=1.56, Std. Dev.=0.4376, n=80, 1.25% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9622, critical = 0.957. Kappa = 1.984 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 11 points to limit.

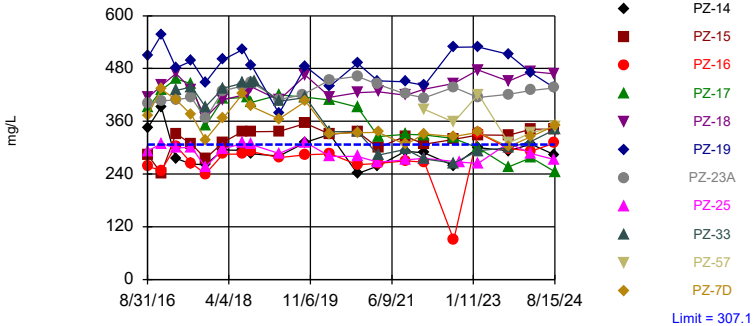
Constituent: Sulfate Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Exceeds Limit: PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-33, PZ-57, PZ-7D

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=173.4, Std. Dev.=67.38, n=80. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9662, critical = 0.957. Kappa = 1.984 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 11 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:25 PM View: Appendix III - Interwell P

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-18	PZ-19	PZ-17
8/30/2016	0.0132 (J)								
8/31/2016		0.0285 (J)	0.166						
9/1/2016				0.379	0.215				
9/6/2016						0.17			
9/7/2016							0.355	0.573	0.276
9/8/2016									
10/5/2016									
10/10/2016									
10/18/2016									
12/6/2016	0.0096 (J)								
12/7/2016		0.0292 (J)	0.182	0.394	0.224	0.173			
12/8/2016							0.351	0.588	0.303
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.405		0.342
3/23/2017								0.703	
7/11/2017	0.0067 (J)	0.0137 (J)	0.149			0.18			
7/12/2017				0.267	0.184		0.35	0.598	0.278
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.37		0.277
10/19/2017				0.326				0.66	
2/20/2018	0.024 (J)	0.026 (J)	0.16						
2/21/2018				0.29	0.21	0.21	0.33	0.6	0.29
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	0.017 (J)	0.026 (J)	0.17						
7/12/2018				0.32	0.23	0.21		0.64	
8/15/2018							0.37		
8/16/2018									0.33
8/17/2018									
9/12/2018	0.012 (J)	0.02 (J)							
9/13/2018			0.16	0.31	0.22	0.21	0.37		
9/14/2018								0.57	0.31
10/4/2018									
10/24/2018									
3/26/2019	0.0082								
3/27/2019		0.023	0.18			0.21	0.41		
3/28/2019				0.33	0.22			0.7	0.34
9/10/2019			0.15						
10/1/2019	0.0064 (X)								
10/2/2019		0.021 (X)			0.17	0.19			0.28
10/3/2019				0.24			0.35	0.52	
3/24/2020	0.013 (J)								
3/25/2020		0.027 (J)	0.19						0.33
3/26/2020				0.24	0.21	0.19	0.36	0.6	
10/6/2020	0.015 (J)	0.026 (J)	0.16			0.19			
10/7/2020				0.2	0.19		0.39	0.52	0.3
3/3/2021	0.01 (J)	0.028 (J)	0.16					0.5	
3/4/2021				0.2	0.16	0.2	0.37		0.22
3/8/2021									
9/14/2021	<0.04								
9/15/2021		0.022 (J)	0.15		0.16	0.16			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-18	PZ-19	PZ-17
9/16/2021				0.18			0.31	0.46	0.22
1/25/2022	0.01 (J)								
1/26/2022		0.022 (J)	0.14		0.22	0.19			
1/27/2022				0.23			0.4	0.55	0.21
8/24/2022	0.011 (J)								
8/25/2022		0.032 (J)	0.17 (J)	0.2	0.21	0.24	0.39	0.58	0.19 (J)
8/26/2022									
2/14/2023	0.011 (J)	0.023 (J)	0.13						
2/15/2023				0.21	0.21	0.19	0.35	0.54	
2/16/2023									0.15
9/19/2023	0.024 (J)					0.19			
9/20/2023		0.027 (J)	0.15	0.19	0.18		0.41	0.62	0.1
9/21/2023									
2/27/2024									
2/28/2024	0.016 (J)		0.12	0.17	0.2				
2/29/2024		0.03 (J)				0.18	0.35	0.43	0.13
8/13/2024	<0.04								
8/14/2024		0.035 (J)	0.16		0.18	0.19	0.37	0.35	
8/15/2024				0.19					0.053

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	0.204					
10/5/2016		0.404				
10/10/2016		0.401				
10/18/2016			0.0156 (J)	0.0174 (J)		
12/6/2016				0.0133 (J)		
12/7/2016			0.0157 (J)			
12/8/2016	0.216	0.375				
3/21/2017				0.0103 (J)		
3/22/2017	0.247					
3/23/2017		0.396	0.0103 (J)			
7/11/2017	0.194		<0.04	<0.04		
7/12/2017		0.343				
10/17/2017			0.0142 (J)	0.0116 (J)		
10/18/2017	0.186					
10/19/2017		0.413				
2/20/2018			0.011 (J)	0.046 (J)		
2/21/2018	0.22	0.36				
4/12/2018					0.016 (J)	
5/23/2018					0.018 (J)	
6/13/2018					0.014 (J)	
7/11/2018			0.014 (J)	0.014 (J)	0.017 (J)	
7/12/2018	0.22	0.41				
8/15/2018						
8/16/2018						
8/17/2018					0.015 (J)	
9/12/2018				0.0098 (J)	0.013 (J)	
9/13/2018	0.2		0.013 (J)			
9/14/2018		0.38				
10/4/2018		0.39			0.016 (J)	
10/24/2018					0.018 (J)	
3/26/2019				0.0076		
3/27/2019	0.22		0.012		0.016	
3/28/2019		0.39				
9/10/2019						
10/1/2019			0.011 (X)			
10/2/2019	0.21			0.0084 (X)	0.011 (X)	
10/3/2019		0.36				
3/24/2020					0.015 (J)	
3/25/2020	0.21		0.016 (J)	0.011 (J)		
3/26/2020		0.38				
10/6/2020			0.015 (J)	0.011 (J)	0.018 (J)	
10/7/2020	0.18	0.35				
3/3/2021	0.2		0.022 (J)	0.0087 (J)		
3/4/2021		0.34				
3/8/2021					0.013 (J)	
9/14/2021			0.012 (J)		0.011 (J)	
9/15/2021	0.17			<0.04		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)	PZ-57
9/16/2021		0.31				
1/25/2022					0.013 (J)	
1/26/2022	0.2		0.01 (J)	<0.04		
1/27/2022		0.36				0.19
8/24/2022	0.19	0.32	0.022 (J)	<0.04	0.012 (J)	
8/25/2022						
8/26/2022						0.18
2/14/2023			0.012 (J)	<0.04	0.01 (J)	
2/15/2023	0.17					
2/16/2023		0.31				0.16
9/19/2023	0.18		0.011 (J)	0.022 (J)	0.011 (J)	
9/20/2023						
9/21/2023		0.45				0.2
2/27/2024	0.17		<0.04		<0.04	
2/28/2024				0.016 (J)		
2/29/2024		0.32				0.17
8/13/2024	0.18		0.017 (J)	<0.04	0.017 (J)	
8/14/2024						
8/15/2024		0.35				0.18

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	40.4								
8/31/2016		92.9	132						
9/1/2016				101	74.8				
9/6/2016						74.6			
9/7/2016							100	112	138
9/8/2016									
10/18/2016									
12/6/2016	43.3								
12/7/2016		93.1	125	103	74	68.9			
12/8/2016							102	113	135
3/21/2017	44.1	95	138						
3/22/2017				111	99.3	77.8	113	122	
3/23/2017									137
7/11/2017	47.4	97.1	139			77.3			
7/12/2017				119	91.4		110	129	145
10/17/2017	48.7								
10/18/2017		100	144		92	84.7	122	125	
10/19/2017				107					140
2/20/2018	46.8	93.1	142						
2/21/2018				118	89	81.8	107	118	145
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	65.3 (o)	111	159						
7/12/2018				121	94.5	85.2			140
8/15/2018								123	
8/16/2018							113		
8/17/2018									
9/12/2018	46.6	99.3							
9/13/2018			136	116	90.8	80.2		123	
9/14/2018							108		124
10/4/2018									
10/24/2018									
3/26/2019	43.3								
3/27/2019		105	152			90.5		134	
3/28/2019				124	100		123		164
9/10/2019			137						
10/1/2019	46.8								
10/2/2019		103			101	89.1	115		
10/3/2019				127				139	125
3/24/2020	48								
3/25/2020		105	157				121		
3/26/2020				122	103	89.8		138	158
10/6/2020	50.5	111	144			84			
10/7/2020				109	93.5		112	129	144
3/3/2021	54.7	114	154						142
3/4/2021				122	107	90.9	113	138	
3/8/2021									
9/14/2021	51								
9/15/2021		106	147		94	91			
9/16/2021				109			102	135	137
1/25/2022	53.1								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		114	152		100	90.1			
1/27/2022				112			104	142	133
8/24/2022	45.8								
8/25/2022		108	145	107	96.7	92	99.5	141	156
8/26/2022									
2/14/2023	56.2	103	139						
2/15/2023				114	98.1	88.5		164 (M1)	144
2/16/2023							94.1		
9/19/2023	44.7					83.3			
9/20/2023		98.2	131	94.3	89.3		73.3	129	143
9/21/2023									
2/27/2024									
2/28/2024	55		144	104	95.4				
2/29/2024		103				89.9	87.8	152	146
8/13/2024	48.5								
8/14/2024		100	141		98	97.5		139	118
8/15/2024				104			71.2		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	85.2					
10/18/2016		57.2	88.3			
12/6/2016			83.4			
12/7/2016		52.8				
12/8/2016	84.5			117		
3/21/2017			94			
3/22/2017	85.3					
3/23/2017		59.1		122		
7/11/2017	93	59.7	86			
7/12/2017				124		
10/17/2017		64.9	91.6			
10/18/2017	87.6					
10/19/2017				118		
2/20/2018		64.1	86.5			
2/21/2018	93.9			122		
4/12/2018					<25	
5/23/2018					17.6 (J)	
6/13/2018					14.3	
7/11/2018		60.4	95.4		15.6	
7/12/2018	87.1			129		
8/15/2018						
8/16/2018						
8/17/2018					27	
9/12/2018			86		26.9	
9/13/2018	85.8	58.7				
9/14/2018				123		
10/4/2018				126	25	
10/24/2018					23.8	
3/26/2019			87.3			
3/27/2019	95.2	54.6			26.1	
3/28/2019				117		
9/10/2019						
10/1/2019		64.3				
10/2/2019	92.3		95.5		21	
10/3/2019				110		
3/24/2020					26.5	
3/25/2020	97.5	66.6	95.8			
3/26/2020				122		
10/6/2020		62.8	98.8		22.7	
10/7/2020	84.2			94.7		
3/3/2021	96.8	64.8 (M1)	104			
3/4/2021				106		
3/8/2021					41.7	
9/14/2021		67.8			13.4	
9/15/2021	84.4		101			
9/16/2021				92		
1/25/2022					20.7	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
1/26/2022	90.2	69.2	102			
1/27/2022				92.5		106
8/24/2022	87.6	67.1	95.2	96.5	27.3	
8/25/2022						
8/26/2022						95.5
2/14/2023		69.3	99.9		30.2	
2/15/2023	86.9					
2/16/2023				92.2 (M1)		91.6
9/19/2023	80.3	64.6	86.9		13.7	
9/20/2023						
9/21/2023				81.4		79.5
2/27/2024	94.6	67.5			19.2	
2/28/2024			99.9			
2/29/2024				100		101
8/13/2024	88.7	67.6	93.2		14.5	
8/14/2024						
8/15/2024				99.2		98.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	3.1								
8/31/2016		4.9	5.1						
9/1/2016				7.4	7				
9/6/2016						7.9			
9/7/2016							7.7	6.9	6.8
9/8/2016									
10/18/2016									
12/6/2016	3.4								
12/7/2016		4.8	5.2	7.6	7	7.6			
12/8/2016							7.2	6.8	6.6
3/21/2017	2.9	4.9	5.5						
3/22/2017				7.2	7.4	7.7	7.3	6.8	
3/23/2017									6.6
7/11/2017	3.4	5	5.7			8.1			
7/12/2017				7.3	8		7.4	6.7	6.6
10/17/2017	3.3								
10/18/2017		5.1	5.1		7.8	8.2	7.6	6.8	
10/19/2017				7.4					6.5
2/20/2018	3.3	5.1	5.5						
2/21/2018				7.6	7.2	7.3	7.4	7.1	7.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.9	4.9	5.1						
7/12/2018				7.1	7.5	7.2			6.3
8/15/2018								6.7	
8/16/2018							7.5		
8/17/2018									
9/12/2018	2.8	4.8							
9/13/2018			5	6.6	6.8	7.3		6.7	
9/14/2018							7.7		6.1
10/4/2018									
10/24/2018									
3/26/2019	3.3								
3/27/2019		5.2	4.7			7.3		6.5	
3/28/2019				6.4	7.4		7.3		6.4
9/10/2019			3.8						
10/1/2019	3.6								
10/2/2019		5.4			8	7.7	7.9		
10/3/2019				5.9				7	5.6
3/24/2020	2.8								
3/25/2020		4.2	6.4				6.1		
3/26/2020				4.8	7	7		5.7	5.4
10/6/2020	3	4.4	7			6.4			
10/7/2020				3.9	6.6		5.7	5	4.5
3/3/2021	2.8	4.2	4.7						4
3/4/2021				4	6.3	5.9	4.2	5.1	
3/8/2021									
9/14/2021	2.9								
9/15/2021		3.9	2.8		5.8	5.6			
9/16/2021				3.3			4.2	4.7	3.5
1/25/2022	2.9								

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		4.4	3.6		6.3	6.1			
1/27/2022				3.8			3.8	4.9	3.7
8/24/2022	2.6								
8/25/2022		4.6	3.2	4.1	6.4	6.3	3.9	4.6	4.6
8/26/2022									
2/14/2023	3	4.5	3.8						
2/15/2023				4.3	6.2	6.2		4.5	4.1
2/16/2023							3.1		
9/19/2023	2.9					5.9			
9/20/2023		4.3	2.8	3.4	6.2		2.1	4.2	4.1
9/21/2023									
2/27/2024									
2/28/2024	2.8		3.6	3.3	5.9				
2/29/2024		4.3				5.9	2.4	4.1	3.3
8/13/2024	2.9								
8/14/2024		4.4	2.8		6.1	5.9		4.2	2.5
8/15/2024				3.3			1.3		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	4					
10/18/2016		3.5	4.5			
12/6/2016			5			
12/7/2016		3.2				
12/8/2016	3.6			6.9		
3/21/2017			4.3			
3/22/2017	3.3					
3/23/2017		2.9		6.2		
7/11/2017	3	3.1	4.7			
7/12/2017				6		
10/17/2017		3	4.6			
10/18/2017	2.9					
10/19/2017				6.4		
2/20/2018		3	4.4			
2/21/2018	2.9			6.9		
4/12/2018					2.6	
5/23/2018					2.5	
6/13/2018					2.5	
7/11/2018		2.8	4		2.6	
7/12/2018	2.6			7.3		
8/15/2018						
8/16/2018						
8/17/2018					2.6	
9/12/2018			3.7		2.3	
9/13/2018	2.3	2.2				
9/14/2018				7.3		
10/4/2018				7	2.7	
10/24/2018					2.8	
3/26/2019			3.8			
3/27/2019	2.4	3.1			2.5	
3/28/2019				4.8		
9/10/2019						
10/1/2019		3.1				
10/2/2019	2.6		4.3		2.7	
10/3/2019				4.1		
3/24/2020					2.2	
3/25/2020	1.6	2.2	3			
3/26/2020				2.9		
10/6/2020		2.3	3.4		2.3	
10/7/2020	1.8			2		
3/3/2021	1.6	2.2	3.1			
3/4/2021				1.8		
3/8/2021					2.4	
9/14/2021		2.2			2.5	
9/15/2021	1.8		2.8			
9/16/2021				1.5		
1/25/2022					2.4	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
1/26/2022	1.7	2.4	3.2			
1/27/2022				1.8		3.2
8/24/2022	1.8	2.7	3	1.8	2.1	
8/25/2022						
8/26/2022						2.4
2/14/2023		2.7	3.3		2.6	
2/15/2023	1.8					
2/16/2023				2.3		2.2
9/19/2023	1.6	2.6	3.4		2.3	
9/20/2023						
9/21/2023				2.8		2
2/27/2024	1.5	2.5			2.4	
2/28/2024			3.1			
2/29/2024				2.7		1.9
8/13/2024	1.6	2.5	3.2		2.4	
8/14/2024						
8/15/2024				2.9		2

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	0.06 (J)								
8/31/2016		0.13 (J)	0.13 (J)						
9/1/2016				<0.1	0.06 (J)				
9/6/2016						0.09 (J)			
9/7/2016							0.03 (J)	0.12 (J)	0.15 (J)
9/8/2016									
10/18/2016									
12/6/2016	0.06 (J)								
12/7/2016		0.07 (J)	0.13 (J)	0.15 (J)	0.09 (J)	0.09 (J)			
12/8/2016							0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	0.004 (J)	<0.1	0.05 (J)						
3/22/2017				0.09 (J)	0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)	
3/23/2017									0.14 (J)
7/11/2017	0.05 (J)	0.05 (J)	0.05 (J)			0.05 (J)			
7/12/2017				0.02 (J)	0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)
10/17/2017	<0.1								
10/18/2017		0.11 (J)	<0.1		0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017				<0.1					<0.1
2/20/2018	0.098 (J)	0.04 (J)	0.3 (J)						
2/21/2018				0.045 (J)	0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	<0.1	<0.1	0.077 (J)						
7/12/2018				<0.1	<0.1	<0.1			0.17 (J)
8/15/2018								<0.1	
8/16/2018							0.073 (J)		
8/17/2018									
9/12/2018	0.034 (J)	<0.1							
9/13/2018			<0.1	<0.1	0.15 (J)	<0.1		<0.1	
9/14/2018							<0.1		<0.1
10/4/2018									
10/24/2018									
3/26/2019	<0.1								
3/27/2019		<0.1	<0.1			<0.1		<0.1	
3/28/2019				<0.1	0.1		0.15		0.074
9/10/2019			<0.1						
10/1/2019	0.062 (X)								
10/2/2019		0.056 (X)			0.075 (X)	0.053 (X)	0.063 (X)		
10/3/2019				0.041 (X)				0.043 (X)	0.084 (X)
3/24/2020	<0.1								
3/25/2020		<0.1	0.066 (J)				<0.1		
3/26/2020				<0.1	0.056 (J)	<0.1		<0.1	0.077 (J)
8/25/2020	<0.1								
8/26/2020		<0.1	0.057 (J)	<0.1	<0.1	<0.1	<0.1		0.062 (J)
8/27/2020								<0.1	
10/6/2020	<0.1	<0.1	0.052 (J)			<0.1			
10/7/2020				<0.1	<0.1		<0.1	<0.1	0.064 (J)
3/3/2021	<0.1	<0.1	<0.1						0.058 (J)
3/4/2021				<0.1	<0.1	<0.1	<0.1	<0.1	
3/8/2021									
9/14/2021	<0.1								

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
9/15/2021		<0.1	<0.1		<0.1	<0.1			
9/16/2021				<0.1			0.052 (J)	<0.1	0.067 (J)
1/25/2022	<0.1								
1/26/2022		<0.1	<0.1		<0.1	<0.1			
1/27/2022				<0.1			<0.1	<0.1	0.056 (J)
8/24/2022	0.08 (J)								
8/25/2022		0.051 (J)	0.074 (J)	0.056 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)
8/26/2022									
2/14/2023	0.063 (J)	<0.1	0.084 (J)						
2/15/2023				0.05 (J)	0.064 (J)	0.053 (J)		<0.1	0.086 (J)
2/16/2023							0.077 (J)		
9/19/2023	0.06 (J)					<0.1			
9/20/2023		<0.1	0.062 (J)	<0.1	0.064 (J)		0.073 (J)	<0.1	0.082 (J)
9/21/2023									
2/27/2024									
2/28/2024	<0.1		0.07 (J)	<0.1	0.059 (J)				
2/29/2024		<0.1				<0.1	0.068 (J)	<0.1	0.078 (J)
8/13/2024	<0.1								
8/14/2024		<0.1	<0.1		<0.1	<0.1		<0.1	0.065 (J)
8/15/2024				<0.1			<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	0.25 (J)					
10/18/2016		0.11 (J)	0.16 (J)			
12/6/2016			0.15 (J)			
12/7/2016		0.07 (J)				
12/8/2016	0.22 (J)			0.21 (J)		
3/21/2017			0.02 (J)			
3/22/2017	0.16 (J)					
3/23/2017		<0.1		0.18 (J)		
7/11/2017	0.23 (J)	0.02 (J)	0.06 (J)			
7/12/2017				0.06 (J)		
10/17/2017		<0.1	0.05 (J)			
10/18/2017	0.28 (J)					
10/19/2017				<0.1		
2/20/2018		<0.1	0.21 (J)			
2/21/2018	0.29 (J)			0.039 (J)		
4/12/2018					<0.1	
5/23/2018					0.063 (J)	
6/13/2018					0.11 (J)	
7/11/2018		<0.1	0.087 (J)		<0.1	
7/12/2018	0.21 (J)			<0.1		
8/15/2018						
8/16/2018						
8/17/2018					<0.1	
9/12/2018			0.049 (J)		0.093 (J)	
9/13/2018	0.22 (J)	<0.1				
9/14/2018				<0.1		
10/4/2018				0.15 (J)	0.15 (J)	
10/24/2018					0.29 (J)	
3/26/2019			<0.1			
3/27/2019	0.37	<0.1			0.04	
3/28/2019				<0.1		
9/10/2019						
10/1/2019		0.042 (X)				
10/2/2019	0.16 (X)		0.057 (X)		0.11 (X)	
10/3/2019				0.06 (X)		
3/24/2020					0.051 (J)	
3/25/2020	0.13 (J)	<0.1	<0.1			
3/26/2020				<0.1		
8/25/2020		<0.1	<0.1			
8/26/2020	0.14			<0.1	0.057 (J)	
8/27/2020						
10/6/2020		<0.1	<0.1		0.073 (J)	
10/7/2020	0.13			<0.1		
3/3/2021	0.12	<0.1	<0.1			
3/4/2021				<0.1		
3/8/2021					<0.1	
9/14/2021		<0.1			0.089 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
9/15/2021	0.14		<0.1			
9/16/2021				<0.1		
1/25/2022					0.071 (J)	
1/26/2022	0.11	<0.1	<0.1			
1/27/2022				<0.1		0.057 (J)
8/24/2022	0.15	0.058 (J)	0.069 (J)	0.092 (J)	0.088 (J)	
8/25/2022						
8/26/2022						0.083 (J)
2/14/2023		<0.1	0.059 (J)		0.076 (J)	
2/15/2023	0.16					
2/16/2023				0.082 (J)		0.077 (J)
9/19/2023	0.14	<0.1	0.053 (J)		0.094 (J)	
9/20/2023						
9/21/2023				0.074 (J)		0.074 (J)
2/27/2024	0.13	<0.1			0.084 (J)	
2/28/2024			0.06 (J)			
2/29/2024				0.068 (J)		0.067 (J)
8/13/2024	0.12	<0.1	<0.1		0.083 (J)	
8/14/2024						
8/15/2024				<0.1		<0.1

Prediction Limit

Constituent: pH (SU) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	7.67								
8/31/2016		6.97	6.75						
9/1/2016				7.21	7.07				
9/6/2016						7.23			
9/7/2016							7.02	6.92	6.71
9/8/2016									
10/4/2016									
10/5/2016									
10/17/2016									
10/18/2016									
12/6/2016	7.57								
12/7/2016		6.85	6.64	7.13	6.85	7.3			
12/8/2016							6.95	6.9	6.61
3/21/2017	7.54	7.04	6.73						
3/22/2017				7.04	6.99	7.2	7.05	7	
3/23/2017									6.69
7/11/2017	7.43	6.88	6.66			7.31			
7/12/2017				7.09	6.83		7.06	6.95	6.69
10/17/2017	7.7								
10/18/2017		6.77	6.73	7.2		7.28	6.99		6.88
10/19/2017					6.91				6.85
2/20/2018	7.57	7.32 (D)	7.11						
2/21/2018				7.11	6.97	7.1	6.95	6.89	6.66
7/11/2018	7.48	7.12	7						
7/12/2018				7.07	6.85	7.14	7.06	7.01	6.84
8/15/2018								6.87	
8/16/2018							7.01		
9/12/2018	7.41	6.87							
9/13/2018			6.56	7.01	6.88	7.08		6.86	
9/14/2018							6.83		6.76
3/26/2019	7.49								
3/27/2019		6.98	6.75			7.23		6.92	
3/28/2019				7.84	6.96		6.97		6.67
9/10/2019			6.78						
10/1/2019	7.5								
10/2/2019		6.96		7.22		7.22	6.99		
10/3/2019					6.85			6.78	6.93
3/24/2020	7.79								
3/25/2020		7.02	6.84				6.93		
3/26/2020				7.08	7.12	7.12		7.01	6.7
8/25/2020	7.49								
8/26/2020		6.98	6.64	7.08	7.01	7.18	6.98		6.68
8/27/2020								6.88	
10/6/2020	7.35	7.01	6.78			7.24			
10/7/2020				7.11	6.98		7.04	6.91	6.78
3/3/2021	7.56	6.99	6.79						6.78
3/4/2021				7.09	6.95	7.34	7.09	6.91	
3/8/2021									
9/14/2021	7.45								
9/15/2021		6.94	6.72	7.09		7.12			
9/16/2021					6.96		7.03	6.85	6.77
1/25/2022	7.51								

Prediction Limit

Constituent: pH (SU) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		7.05	6.83	7.33		7.26			
1/27/2022					7.03		7.03	6.92	6.8
8/24/2022	7.49								
8/25/2022		6.93	6.76	7.15	6.98	7.14	7.05	6.76	6.67
8/26/2022									
10/11/2022									
2/14/2023	7.43	7.04	6.75						
2/15/2023				7.09	6.92	7.1		6.73	6.66
2/16/2023							7.14		
9/19/2023	7.44					7.08			
9/20/2023		6.94	6.86	7.07	7.15		7.16	6.76	6.83
9/21/2023									
2/27/2024									
2/28/2024	7.41		6.79	7.18	7.07				
2/29/2024		7.07				7.19	7.2	6.94	6.82
8/13/2024	7.46								
8/14/2024		7.52	6.75	7.11		7.15		6.92	6.9
8/15/2024					7.05		7.35		

Prediction Limit

Constituent: pH (SU) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	7.1					
10/4/2016		6.88				
10/5/2016		6.91				
10/17/2016			7.43			
10/18/2016			7.45	7.15		
12/6/2016				7.04		
12/7/2016			7.29			
12/8/2016	6.98	6.86				
3/21/2017				7.01		
3/22/2017	7.16					
3/23/2017		6.9	7.26			
7/11/2017	7.15	7.82 (o)	7.31	6.96		
7/12/2017		6.81				
10/17/2017			7.29	7.31	7.61	
10/18/2017	7.09					
10/19/2017		6.86				
2/20/2018			7.26			
2/21/2018	7.12	7.02				
7/11/2018			7.39	7.26	9.48	
7/12/2018		6.82		7.01		
8/15/2018						
8/16/2018						
9/12/2018				7.02	9.07	
9/13/2018	7.03		7.25			
9/14/2018		6.75				
3/26/2019				7		
3/27/2019	7.08		7.42		8.76	
3/28/2019		6.96				
9/10/2019						
10/1/2019			7.43			
10/2/2019	7.2			7.09	8.97	
10/3/2019		7.01				
3/24/2020					8.57	
3/25/2020	7.01		7.23	7.15		
3/26/2020		7				
8/25/2020			7.53	7.14		
8/26/2020	7.09	6.99			7.97	
8/27/2020						
10/6/2020			7.27	7.01	8.72	
10/7/2020	6.95	7.04				
3/3/2021	7.04		7.41	7.14		
3/4/2021		7.22				
3/8/2021					7.77	
9/14/2021			7.31		8.96	
9/15/2021	7.05			6.99		
9/16/2021		7.1				
1/25/2022					8.4	

Prediction Limit

Constituent: pH (SU) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)	PZ-57
1/26/2022	7.28		7.44	7.1		
1/27/2022		7.18				7.3
8/24/2022	7.1	7.1	7.34	7.04	8.01	
8/25/2022						
8/26/2022						7.09
10/11/2022	7.13		7.37		7.94	
2/14/2023			7.36	7.09	7.97	
2/15/2023	7.02					
2/16/2023		7.13				7.06
9/19/2023	7.18		7.43	7.02	8.82	
9/20/2023						
9/21/2023		7.05				7.21
2/27/2024	7.13		7.39		8.49	
2/28/2024				7.11		
2/29/2024		7.14				7.13
8/13/2024	7.06		7.33	7.12	9.2	
8/14/2024						
8/15/2024		7.07				7.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	2.1								
8/31/2016		4.1	29						
9/1/2016				62	73				
9/6/2016						49			
9/7/2016							99	96	87
9/8/2016									
10/18/2016									
12/6/2016	2.4								
12/7/2016		1.5	24	57	71	46			
12/8/2016							94	94	84
3/21/2017	2.5	2	31						
3/22/2017				61	80	53	100	95	
3/23/2017									90
7/11/2017	2.6	2	37			52			
7/12/2017				53	78		100	96	93
10/17/2017	2.5								
10/18/2017		4.2	34		82	58	100	99	
10/19/2017				55					92
2/20/2018	2.3	2.4	34.7						
2/21/2018				52.1	72.2	48.2	98.8	91.8	84.5
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.5	3.8	35.4						
7/12/2018				53.9	80.5	48.8			84.9
8/15/2018								101	
8/16/2018							111		
8/17/2018									
9/12/2018	2	4.3							
9/13/2018			37.4	67.5	84.4	48.7		106	
9/14/2018							102		89.5
10/4/2018									
10/24/2018									
3/26/2019	2.7								
3/27/2019		8.2	41.9			46.5		111	
3/28/2019				59.6	90.3		94.7		83.5
9/10/2019			45.1						
10/1/2019	2.8								
10/2/2019		6.2			83	48.5	104		
10/3/2019				59.6				95.8	84.9
3/24/2020	3								
3/25/2020		11.9	47				92.4		
3/26/2020				57.1	83.6	43.5		91	84.9
10/6/2020	2.4	11	71.2			42.4			
10/7/2020				48.9	80.7		89.1	87.3	83.3
3/3/2021	2.2	8.8	66						80.8
3/4/2021				49.7	74.1	38.9	66.8	88.6	
3/8/2021									
9/14/2021	2.6								
9/15/2021		11.4	46.8		73.4	37.8			
9/16/2021				41.8			70.9	86.9	72.7
1/25/2022	2.4								

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		9.1	37.8		77.2	38.9			
1/27/2022				46.7			62.1	89.9 (M1)	76.3
8/24/2022	2.2								
8/25/2022		10.7	45.6	47.3	75.5	38.7	62.7	96.3	84.4
8/26/2022									
2/14/2023	1.6	10	35.1						
2/15/2023				49.9	75.7 (M1)	38.1		96.6	78.8
2/16/2023							54.2		
9/19/2023	2.2					37.5			
9/20/2023		12.5	44.3	40.7	74.9		34.3	93.8	83.4
9/21/2023									
2/27/2024									
2/28/2024	<1		33.5	40.3	77.4				
2/29/2024		13.3				37.9	45.4	92.7	71.5
8/13/2024	2.5								
8/14/2024		17.3	43.4		78.4	38.8		94.3	61.7
8/15/2024				39			18.3		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	48					
10/18/2016		2.3	2.2			
12/6/2016			6.1			
12/7/2016		1.9				
12/8/2016	46			100		
3/21/2017			5.7			
3/22/2017	53					
3/23/2017		1.7		100		
7/11/2017	51	1.8	4.8			
7/12/2017				97		
10/17/2017		1.9	6.4			
10/18/2017	50					
10/19/2017				97		
2/20/2018		2.1	5.2			
2/21/2018	46.8			93.6		
4/12/2018					4.8 (J)	
5/23/2018					4.5	
6/13/2018					5.3	
7/11/2018		2	3.6		5.4	
7/12/2018	48.3			89.4		
8/15/2018						
8/16/2018						
8/17/2018					4.5	
9/12/2018			2.7		4.4	
9/13/2018	42	2.1				
9/14/2018				88.9		
10/4/2018				97.8	5.8	
10/24/2018					6.2	
3/26/2019			1.6			
3/27/2019	43.7	2.4			3.7	
3/28/2019				76.7		
9/10/2019						
10/1/2019		2.2				
10/2/2019	43		1.6		4.1	
10/3/2019				72.1		
3/24/2020					3.1	
3/25/2020	39.1	1.9	1.5			
3/26/2020				66.6		
10/6/2020		1.9	0.98 (J)		3.1	
10/7/2020	38.1			54.6		
3/3/2021	39.2	2	0.6 (J)			
3/4/2021				49.3		
3/8/2021					2.7	
9/14/2021		1.8			3.8	
9/15/2021	37.8		0.64 (J)			
9/16/2021				40.4		
1/25/2022					2.9	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-32 (bg)	PZ-31 (bg)	PZ-33	PZ-2D (bg)	PZ-57
1/26/2022	37.5	1.9	0.69 (J)			
1/27/2022				40		94.5
8/24/2022	35.7	1.7	0.56 (J)	34.7	2	
8/25/2022						
8/26/2022						87.2
2/14/2023		2	0.89 (J)		2.6	
2/15/2023	37.1					
2/16/2023				36		77.7
9/19/2023	34.7	1.5	0.61 (J)		3.2	
9/20/2023						
9/21/2023				34.8		66.7
2/27/2024	34	1.4			2.6	
2/28/2024			0.54 (J)			
2/29/2024				32.2		65.1
8/13/2024	34.8	1.7	0.8 (J)		3.3	
8/14/2024						
8/15/2024				31.6		59.7

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	136								
8/31/2016		344	400						
9/1/2016				373	284				
9/6/2016						257			
9/7/2016							392	415	508
9/8/2016									
10/18/2016									
12/6/2016	207								
12/7/2016		393	406	433	242	248			
12/8/2016							431	441	556
3/21/2017	128	276	409						
3/22/2017				409	332	304	456	469	
3/23/2017									482
7/11/2017	138	263	414			265			
7/12/2017				374	308		445	432	497
10/17/2017	101								
10/18/2017		261	366		275	240	349	368	
10/19/2017				318					448
2/20/2018	138	295	429						
2/21/2018				367	312	285	411	409	500
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	153	294	440						
7/12/2018				423	337	285			523
8/15/2018								422	
8/16/2018							415		
8/17/2018									
9/12/2018	146	286							
9/13/2018			448	394	336	291		438	
9/14/2018							403		486
10/4/2018									
10/24/2018									
3/26/2019	334								
3/27/2019		281	410			277		408	
3/28/2019				365	337		420		378
9/10/2019			420						
10/1/2019	146								
10/2/2019		312			355	284	415		
10/3/2019				405				464	485
3/24/2020	228								
3/25/2020		330	454				408		
3/26/2020				332	330	286		415	440
10/6/2020	153	241	462			261			
10/7/2020				334	336		392	425	492
3/3/2021	134	258	444						452
3/4/2021				335	300	264	325	427	
3/8/2021									
9/14/2021	150								
9/15/2021		292	422		326	270			
9/16/2021				307			330	419	450
1/25/2022	148								

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		288	413		308	267			
1/27/2022				331			329	433	442
8/24/2022	139								
8/25/2022		259	437	325	319	90	321	446	528
8/26/2022									
10/11/2022									
2/14/2023	200	300	414						
2/15/2023				335 (D6)	329	334		477	529
2/16/2023							299		
9/19/2023	146					298			
9/20/2023		293	421	302	328		256	451	512
9/21/2023									
2/27/2024									
2/28/2024	176		430	325	342				
2/29/2024		308				292	277	473	470
8/13/2024	163								
8/14/2024		284	436		342	311		468	436
8/15/2024				350			245		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)	PZ-57
8/30/2016						
8/31/2016						
9/1/2016						
9/6/2016						
9/7/2016						
9/8/2016	293					
10/18/2016		264	152			
12/6/2016		299				
12/7/2016			214			
12/8/2016	309			503 (o)		
3/21/2017		260				
3/22/2017	299					
3/23/2017			165	430		
7/11/2017	301	244	162			
7/12/2017				438		
10/17/2017		218	140			
10/18/2017	256					
10/19/2017				393		
2/20/2018		264	163			
2/21/2018	297			435		
4/12/2018					69	
5/23/2018					62	
6/13/2018					93	
7/11/2018		273	192		84	
7/12/2018	310			447		
8/15/2018						
8/16/2018						
8/17/2018					115	
9/12/2018		252			97	
9/13/2018	307		192			
9/14/2018				447		
10/4/2018				450	103	
10/24/2018					110	
3/26/2019		253				
3/27/2019	287		167		87	
3/28/2019				405		
9/10/2019						
10/1/2019			187			
10/2/2019	312	263			95	
10/3/2019				414		
3/24/2020					123	
3/25/2020	280	278	178			
3/26/2020				336		
10/6/2020		254	169		81	
10/7/2020	280			337		
3/3/2021	267	264	166			
3/4/2021				283		
3/8/2021					126	
9/14/2021			179		71	
9/15/2021	272	256				
9/16/2021				296		
1/25/2022					68	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 9/24/2024 4:27 PM View: Appendix III - Interwell PLs

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)	PZ-57
1/26/2022	276	262	182			
1/27/2022				274		387
8/24/2022		261		265		
8/25/2022						
8/26/2022						358
10/11/2022	267		173		75	
2/14/2023		257	177		140	
2/15/2023	264					
2/16/2023				293		421
9/19/2023	311	265	217		86	
9/20/2023						
9/21/2023				300		311
2/27/2024	287		192		75	
2/28/2024		276				
2/29/2024				314		334
8/13/2024	273	263	187		69	
8/14/2024						
8/15/2024				341		348

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**PZ-17**	**-0.02803**	**-106**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-25**	**-0.005833**	**-95**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-33**	**-0.009628**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-7D**	**-0.02597**	**-139**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**4.155**	**124**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-1D (bg)**	**1.325**	**79**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-32 (bg)**	**1.399**	**114**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2026**	**-111**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.2734**	**-128**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2348**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.633**	**145**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-16**	**-1.999**	**-135**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.534**	**-125**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-19**	**-2.043**	**-117**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-25**	**-2.11**	**-156**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4398**	**-107**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5923**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.58**	**-174**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-57**	**-13.94**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.429**	**-119**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**-23.59**	**-80**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**-9.993**	**-90**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

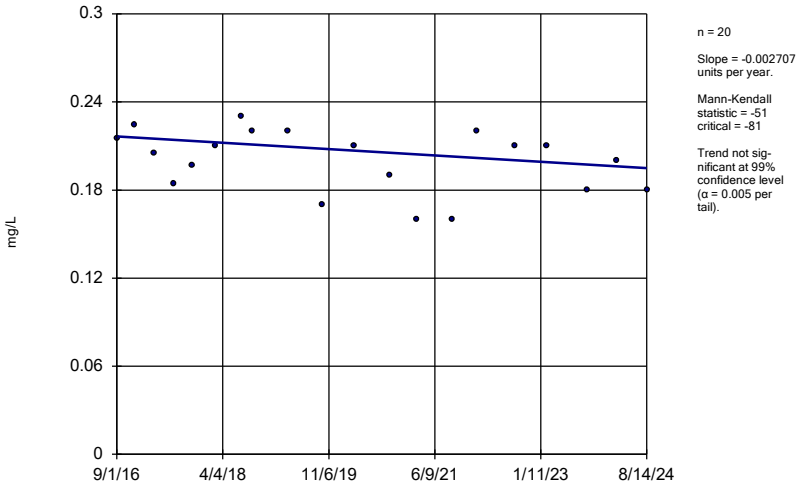
Appendix III Trend Tests - All Results

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	PZ-15	-0.002707	-51	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	-12	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-17**	**-0.02803**	**-106**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-18	0	16	81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.02259	-78	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-1D (bg)	0.0007472	53	81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003383	-62	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-25**	**-0.005833**	**-95**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-2D (bg)	-0.0006816	-44	-81	No	20	5	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0.000503	28	81	No	20	30	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	6	81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-33**	**-0.009628**	**-99**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-57	-0.003921	-2	-14	No	6	0	n/a	n/a	0.01	NP
Boron (mg/L)	**PZ-7D**	**-0.02597**	**-139**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**4.155**	**124**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-19	0.4626	12	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-1D (bg)**	**1.325**	**79**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-23A	0.8276	31	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	0.2963	14	81	No	20	5	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	1.558	78	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-32 (bg)**	**1.399**	**114**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2026**	**-111**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.2734**	**-128**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-1D (bg)	-0.05859	-68	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.03309	-52	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2348**	**-115**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-32 (bg)	-0.0951	-78	-81	No	20	0	n/a	n/a	0.01	NP
pH (SU)	PZ-18	-0.01238	-51	-87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-19	0.01186	39	92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	PZ-1D (bg)	-0.01701	-74	-87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-23A	0.008757	42	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-2D (bg)	-0.04786	-15	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	PZ-31 (bg)	0	2	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	PZ-32 (bg)	0.005203	24	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-14**	**1.633**	**145**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-15	0.08429	4	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-16**	**-1.999**	**-135**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.534**	**-125**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-18	-0.4456	-31	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-19**	**-2.043**	**-117**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-1D (bg)	-0.03331	-31	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-23A	2.044	76	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-25**	**-2.11**	**-156**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4398**	**-107**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5923**	**-137**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-32 (bg)	-0.04882	-60	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-33**	**-10.58**	**-174**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-57**	**-13.94**	**-15**	**-14**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.429**	**-119**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	PZ-15	3.875	56	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-16	3.613	47	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-18	5.749	69	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-19	-4.498	-32	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-1D (bg)	2.87	49	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-23A	3.289	63	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-2D (bg)	-0.4749	-6	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-2S	-0.514	-3	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-31 (bg)	0.5919	22	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	PZ-32 (bg)	3.296	62	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**PZ-33**	**-23.59**	**-80**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	PZ-57	-15.87	-5	-14	No	6	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**PZ-7D**	**-9.993**	**-90**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Sen's Slope Estimator

PZ-15



n = 20

Slope = -0.002707 units per year.

Mann-Kendall statistic = -51
critical = -81

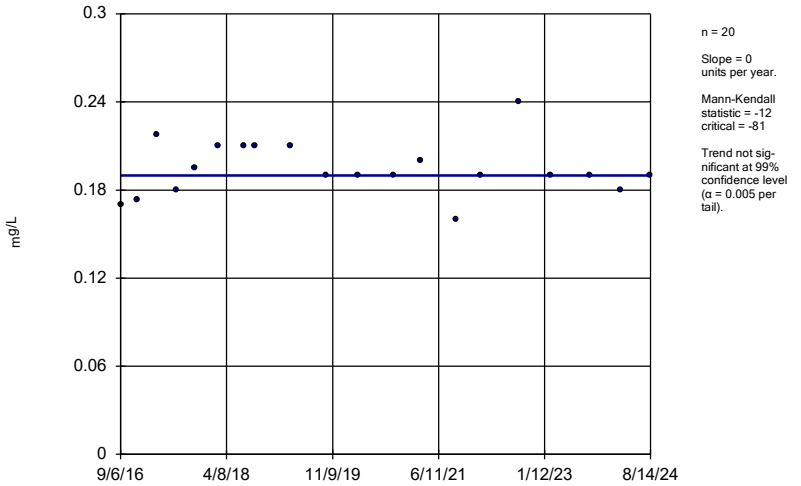
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-16



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -81

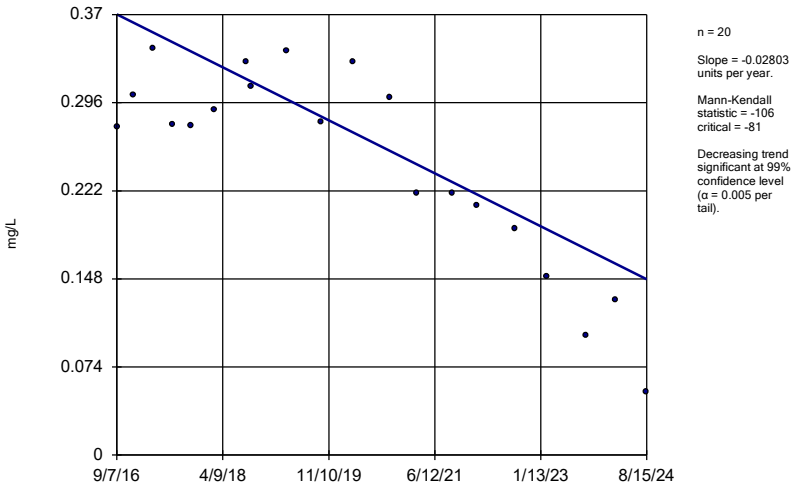
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-17



n = 20

Slope = -0.02803 units per year.

Mann-Kendall statistic = -106
critical = -81

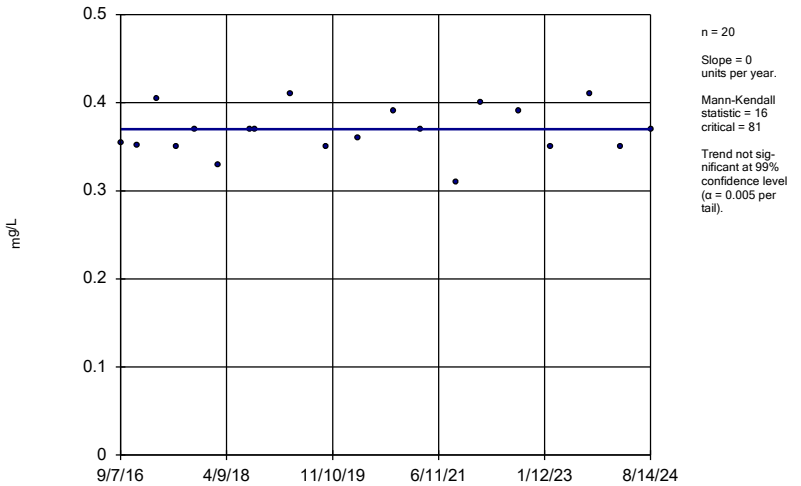
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-18



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 81

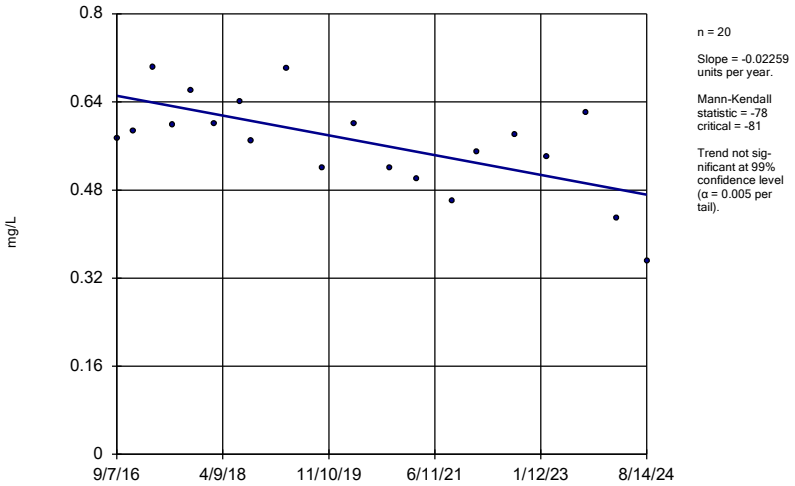
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-19



n = 20

Slope = -0.02259 units per year.

Mann-Kendall statistic = -78
critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests

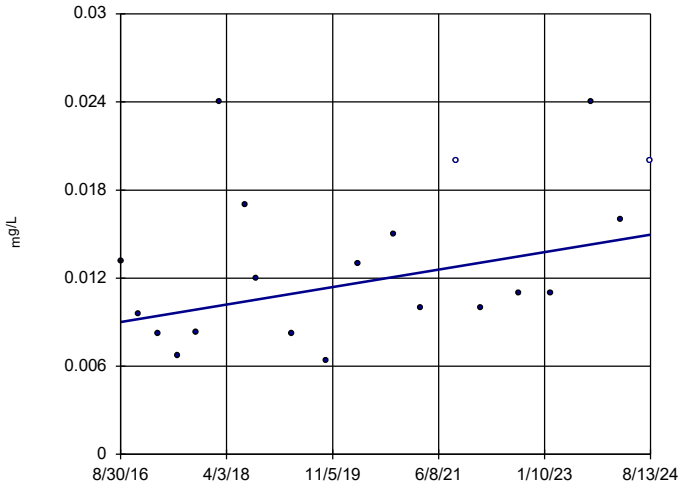
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-1D (bg)



n = 20

Slope = 0.0007472 units per year.

Mann-Kendall statistic = 53
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

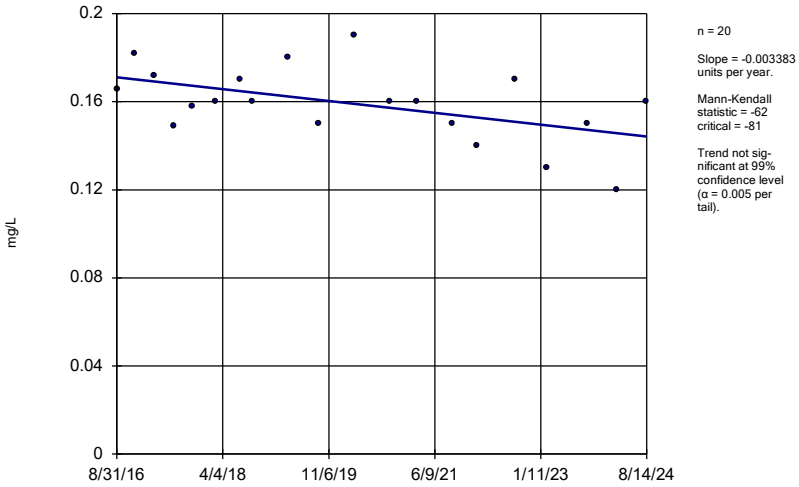
Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-23A



n = 20

Slope = -0.003383 units per year.

Mann-Kendall statistic = -62
critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

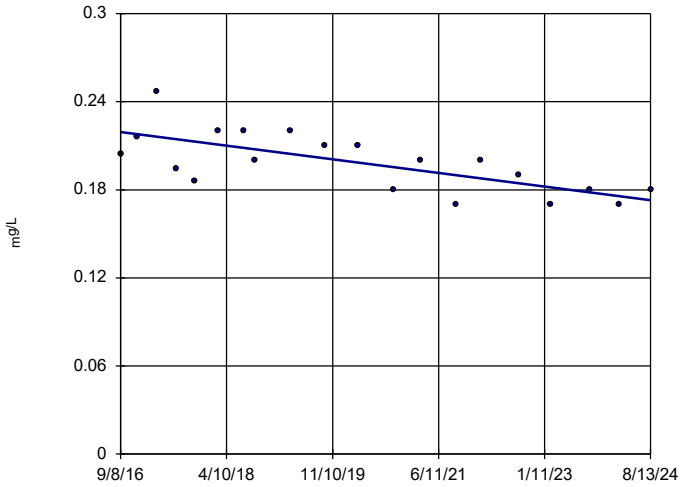
Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-25



n = 20

Slope = -0.005833 units per year.

Mann-Kendall statistic = -95
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

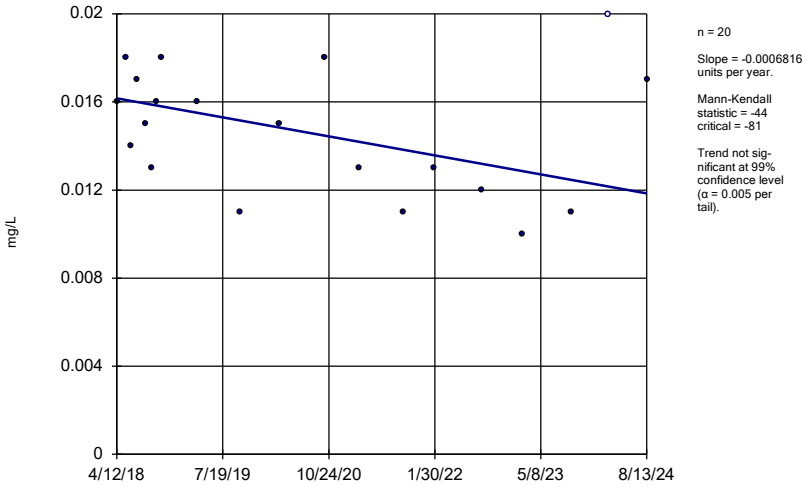
Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-2D (bg)



n = 20

Slope = -0.0006816 units per year.

Mann-Kendall statistic = -44
critical = -81

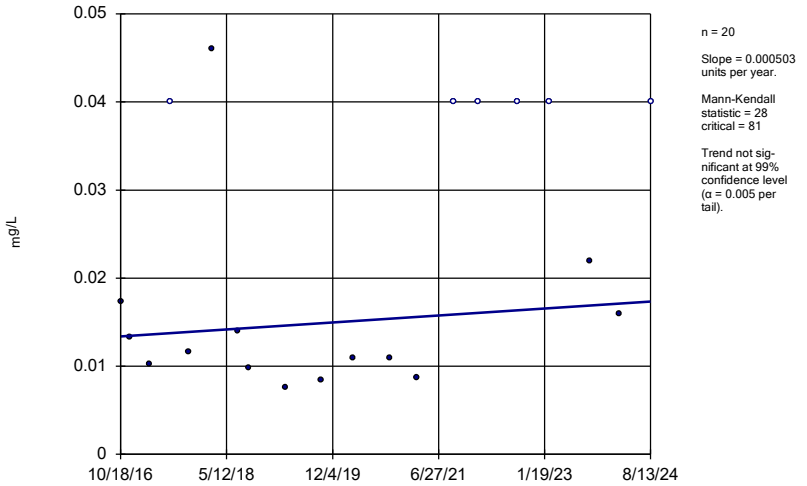
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-31 (bg)



n = 20

Slope = 0.000503 units per year.

Mann-Kendall statistic = 28
critical = 81

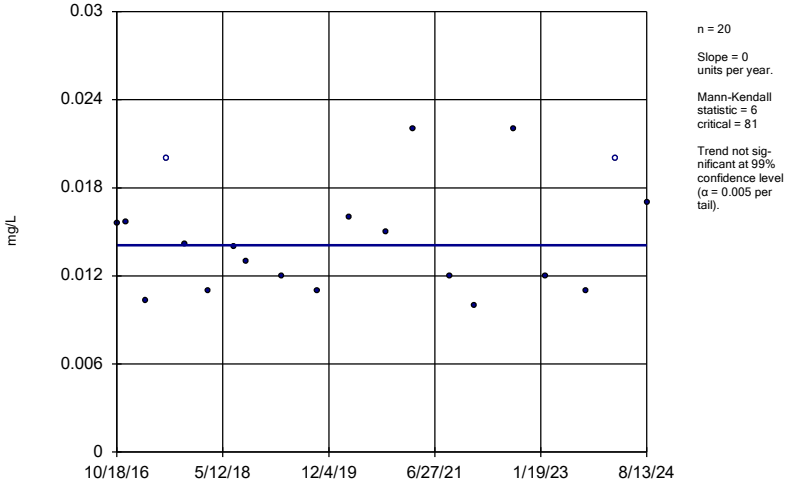
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-32 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 81

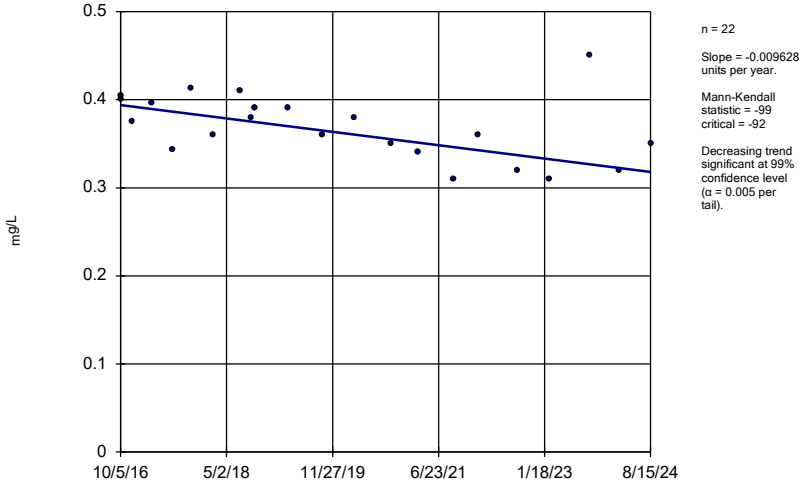
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-33



n = 22

Slope = -0.009628 units per year.

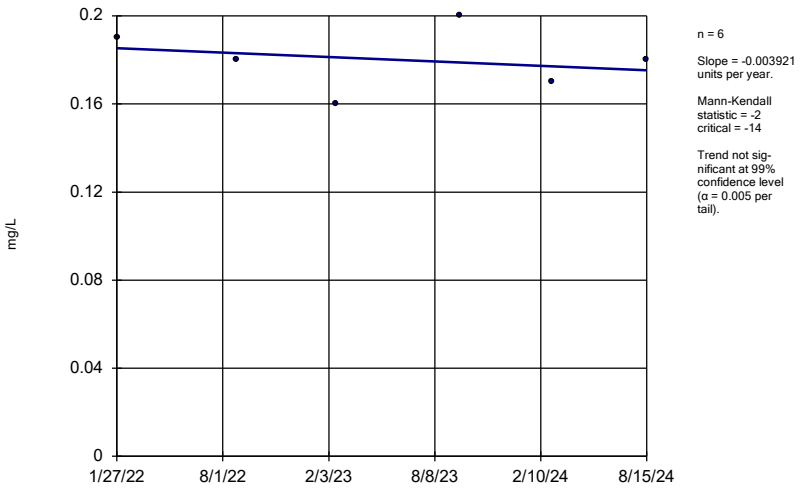
Mann-Kendall statistic = -99
critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-57



n = 6

Slope = -0.003921 units per year.

Mann-Kendall statistic = -2
critical = -14

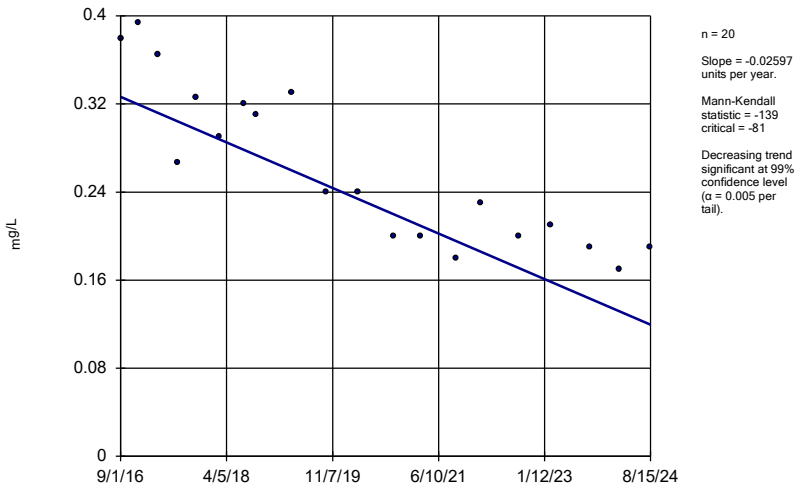
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-7D



n = 20

Slope = -0.02597 units per year.

Mann-Kendall statistic = -139
critical = -81

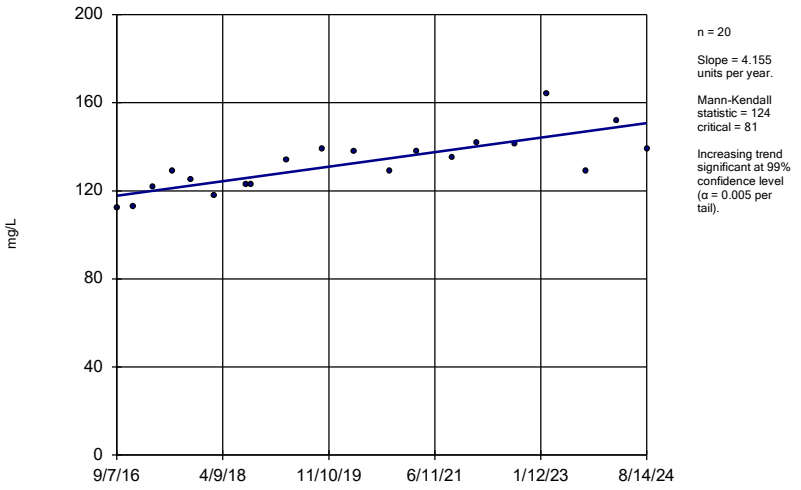
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-18



n = 20

Slope = 4.155 units per year.

Mann-Kendall statistic = 124
critical = 81

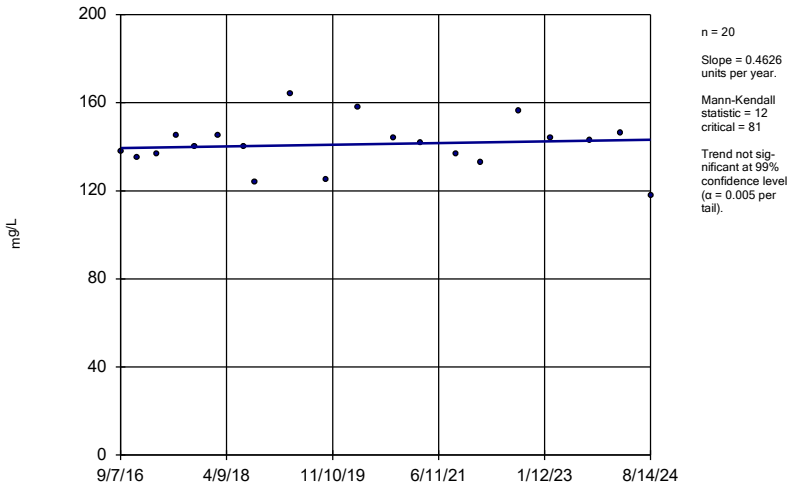
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/24/2024 4:32 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-19



n = 20

Slope = 0.4626 units per year.

Mann-Kendall statistic = 12
critical = 81

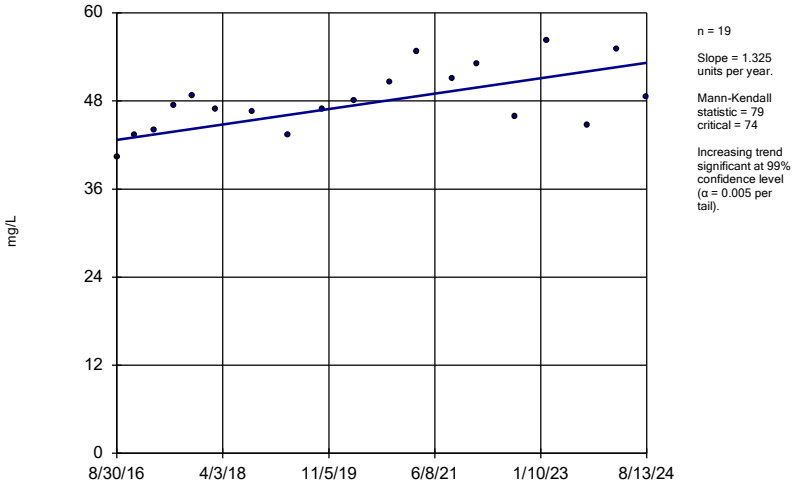
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-1D (bg)



n = 19

Slope = 1.325 units per year.

Mann-Kendall statistic = 79 critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

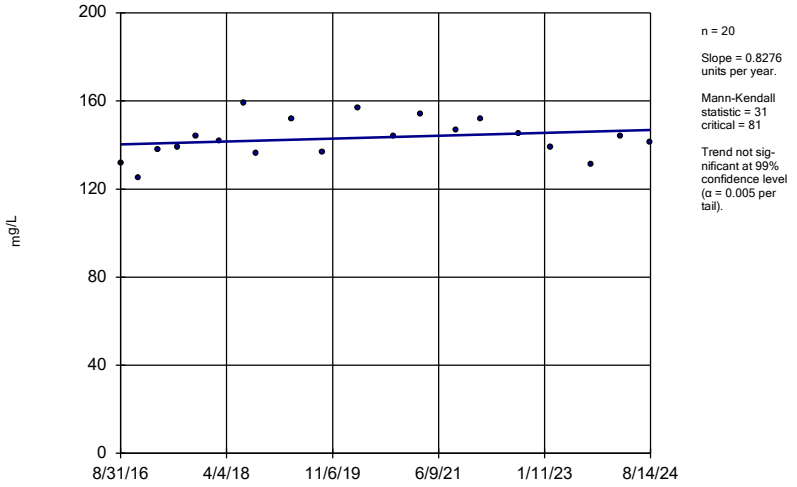
Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-23A



n = 20

Slope = 0.8276 units per year.

Mann-Kendall statistic = 31 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

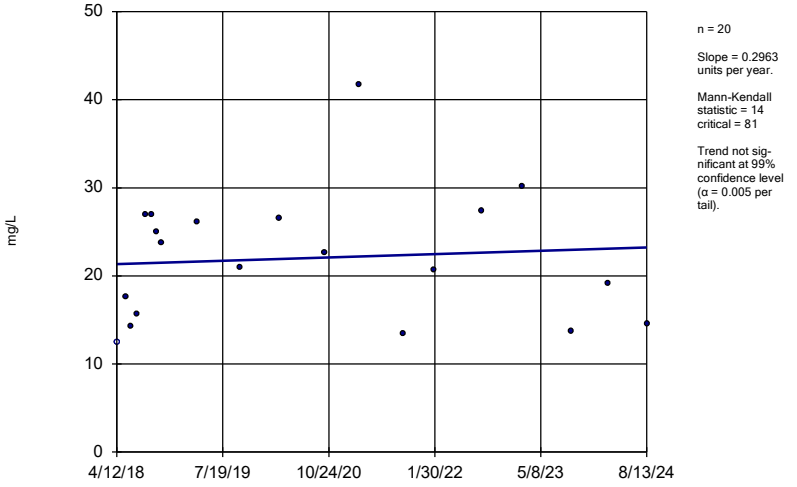
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-2D (bg)



n = 20

Slope = 0.2963 units per year.

Mann-Kendall statistic = 14 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

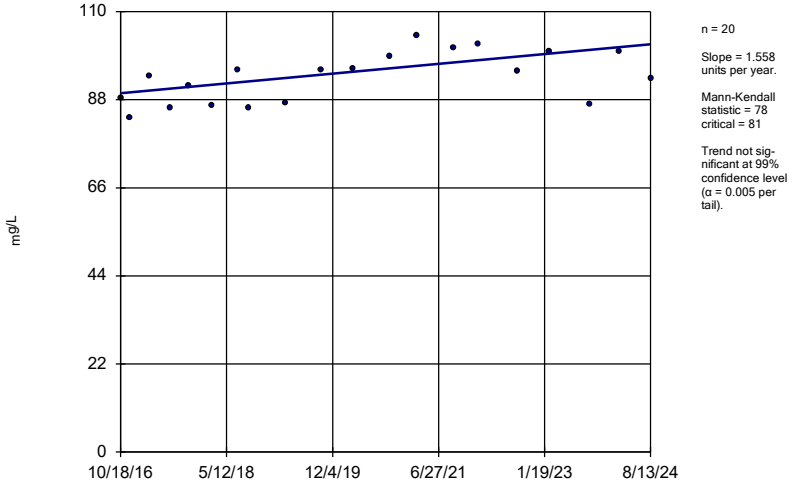
Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-31 (bg)



n = 20

Slope = 1.558 units per year.

Mann-Kendall statistic = 78 critical = 81

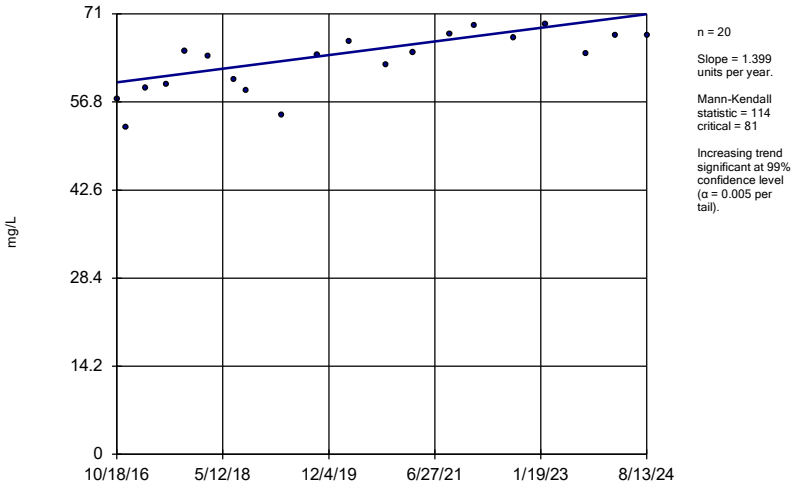
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-32 (bg)



n = 20

Slope = 1.399 units per year.

Mann-Kendall statistic = 114 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

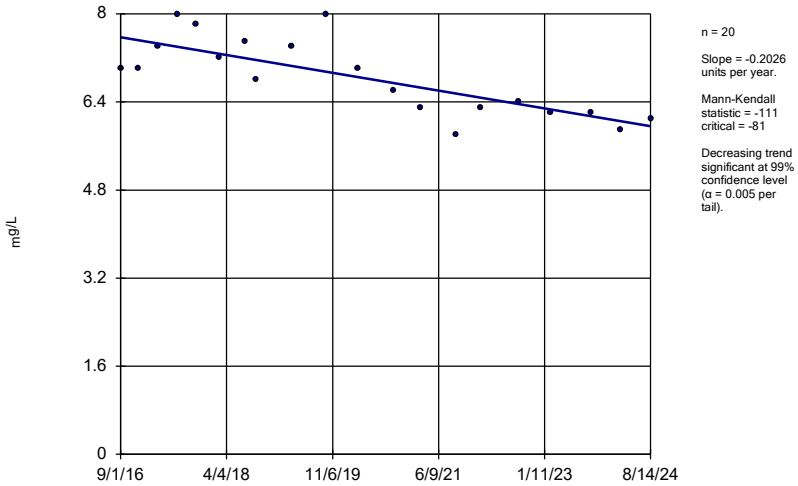
Constituent: Calcium Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-15



n = 20

Slope = -0.2026 units per year.

Mann-Kendall statistic = -111 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

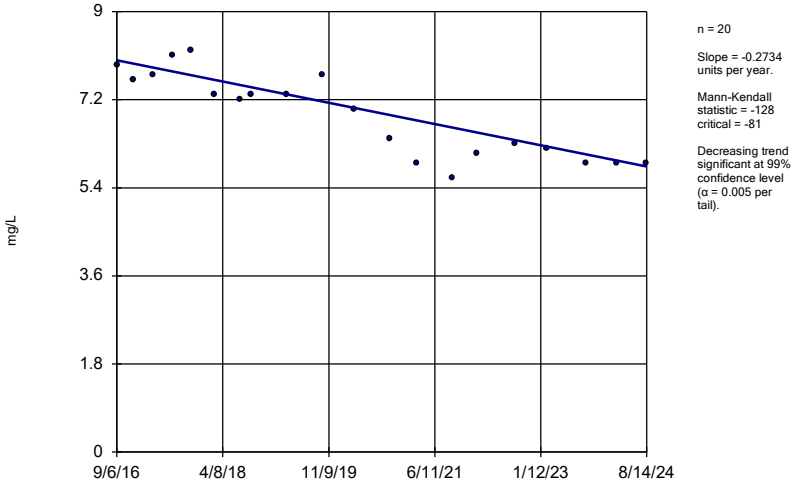
Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-16



n = 20

Slope = -0.2734 units per year.

Mann-Kendall statistic = -128 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

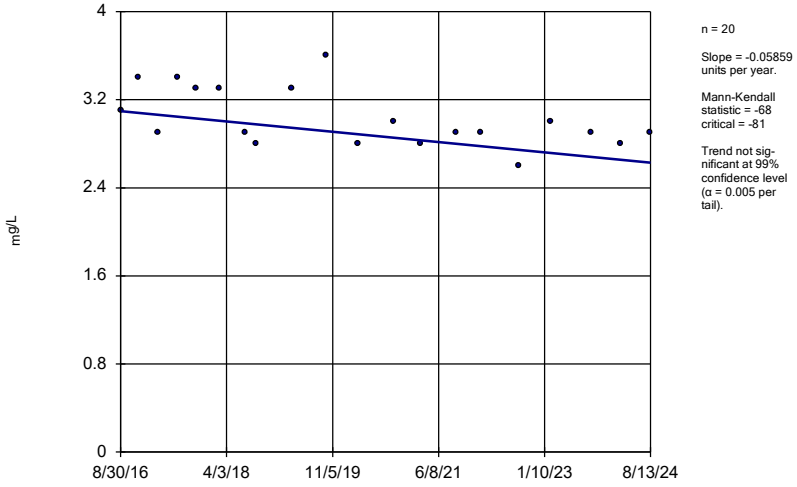
Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-1D (bg)



n = 20

Slope = -0.05859 units per year.

Mann-Kendall statistic = -68 critical = -81

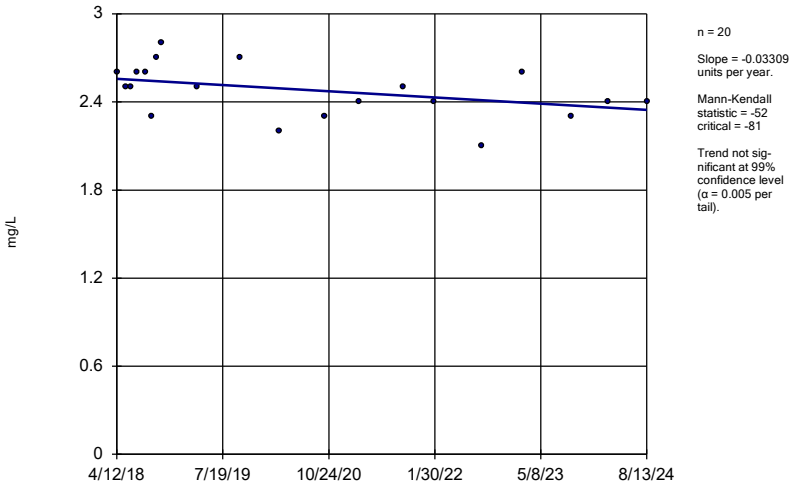
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-2D (bg)



n = 20

Slope = -0.03309 units per year.

Mann-Kendall statistic = -52 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

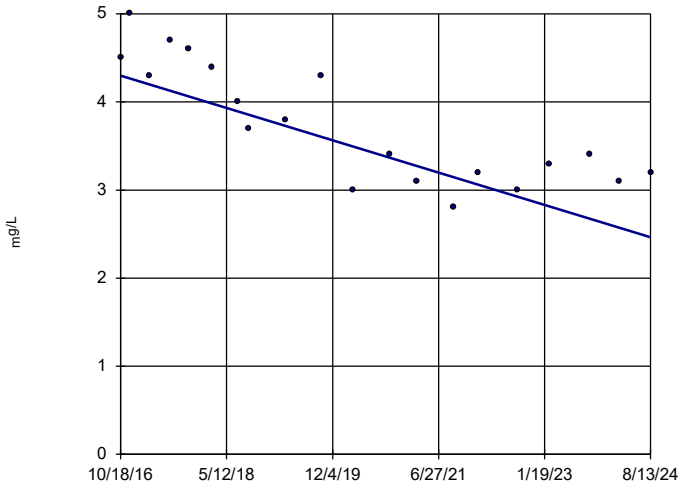
Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-31 (bg)



n = 20

Slope = -0.2348 units per year.

Mann-Kendall statistic = -115 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

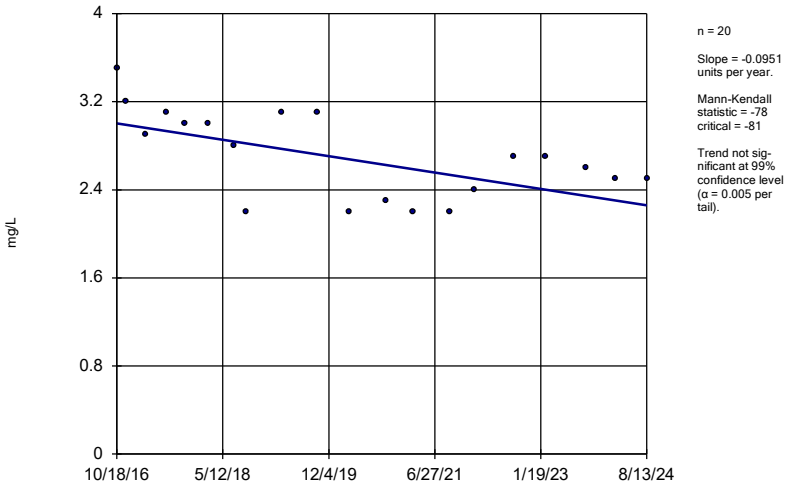
Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-32 (bg)



n = 20

Slope = -0.0951 units per year.

Mann-Kendall statistic = -78 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

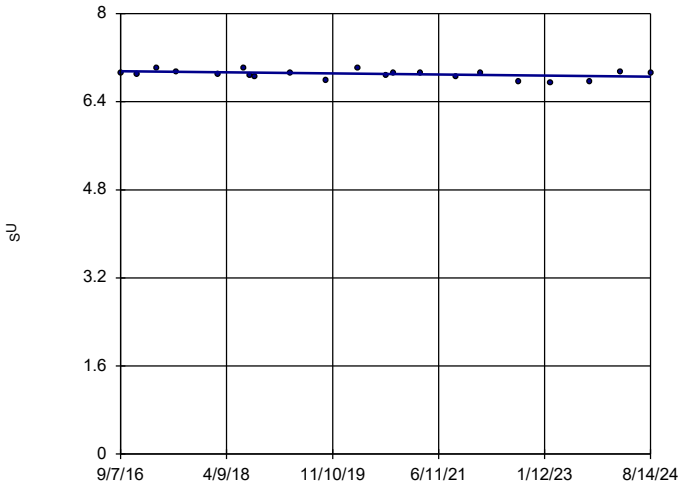
Constituent: Chloride Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-18



n = 21

Slope = -0.01238 units per year.

Mann-Kendall statistic = -51 critical = -87

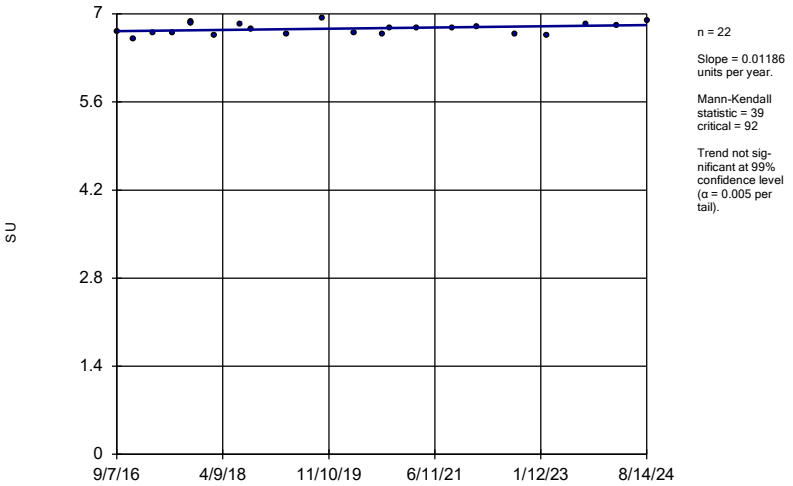
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-19



n = 22

Slope = 0.01186 units per year.

Mann-Kendall statistic = 39
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

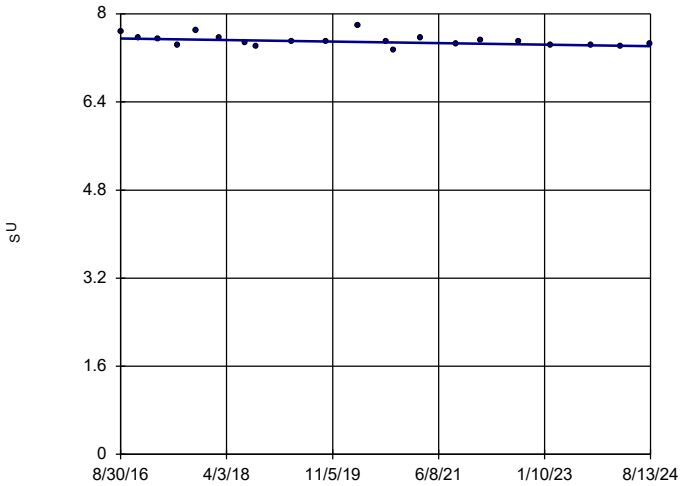
Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = -0.01701 units per year.

Mann-Kendall statistic = -74
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

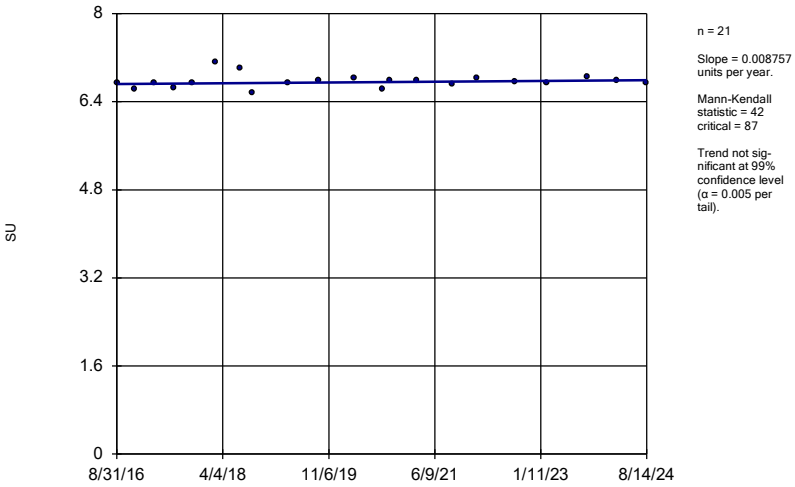
Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-23A



n = 21

Slope = 0.008757 units per year.

Mann-Kendall statistic = 42
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

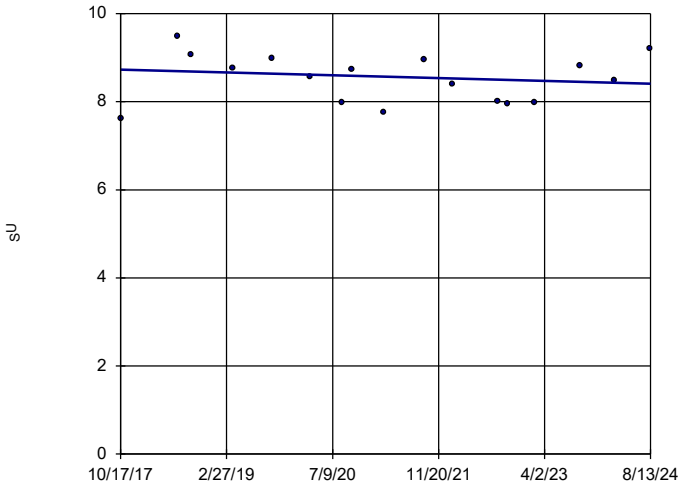
Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-2D (bg)



n = 17

Slope = -0.04786 units per year.

Mann-Kendall statistic = -15
critical = -63

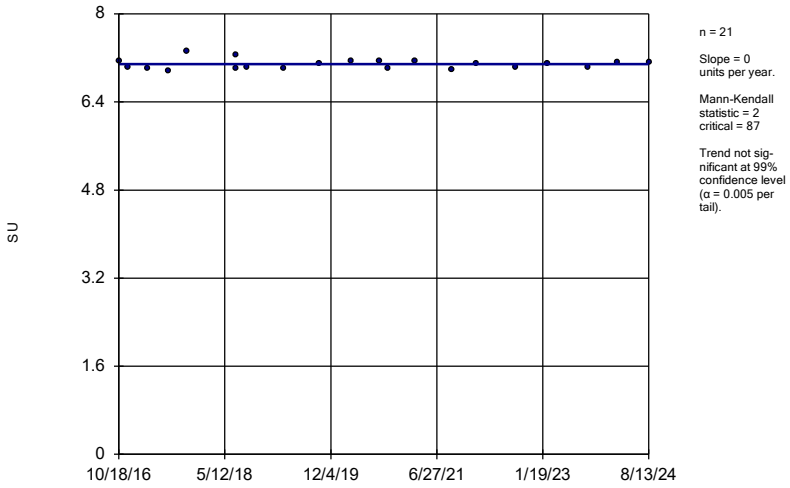
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

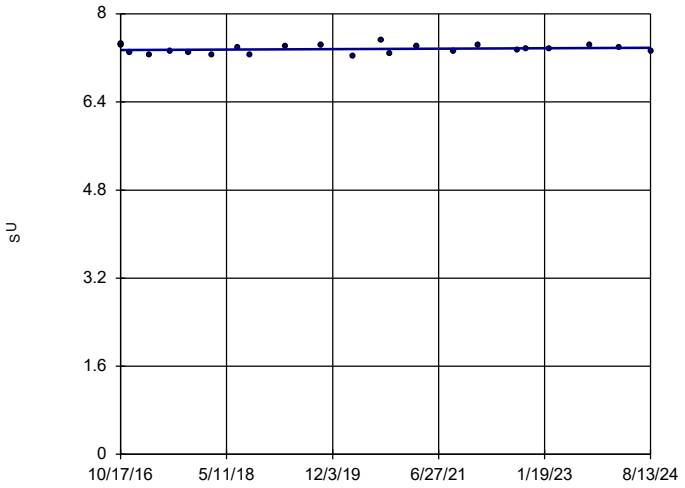
Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-32 (bg)



n = 23

Slope = 0.005203 units per year.

Mann-Kendall statistic = 24 critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

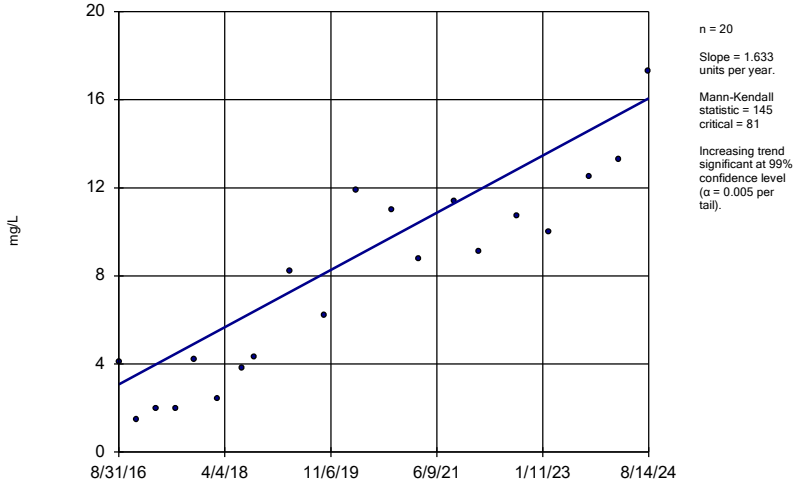
Constituent: pH Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-14



n = 20

Slope = 1.633 units per year.

Mann-Kendall statistic = 145 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

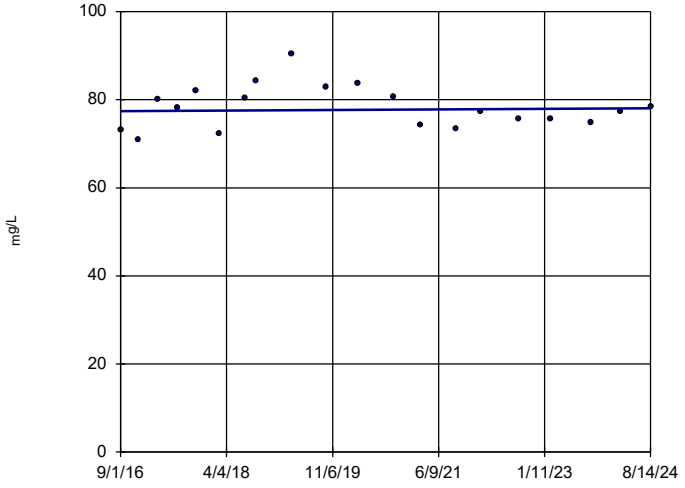
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-15



n = 20

Slope = 0.08429 units per year.

Mann-Kendall statistic = 4 critical = 81

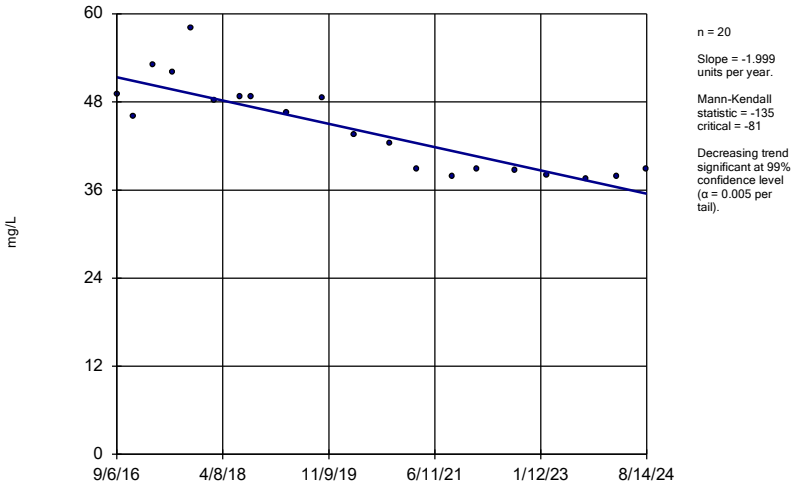
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-16



n = 20

Slope = -1.999 units per year.

Mann-Kendall statistic = -135 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

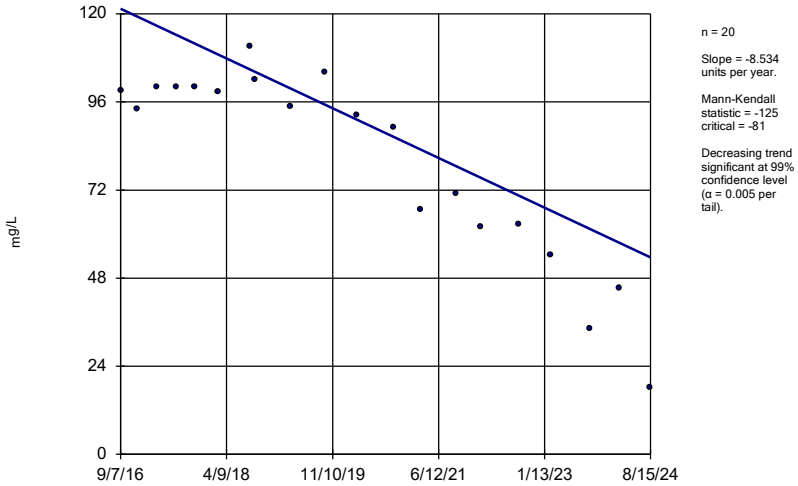
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-17



n = 20

Slope = -8.534 units per year.

Mann-Kendall statistic = -125 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

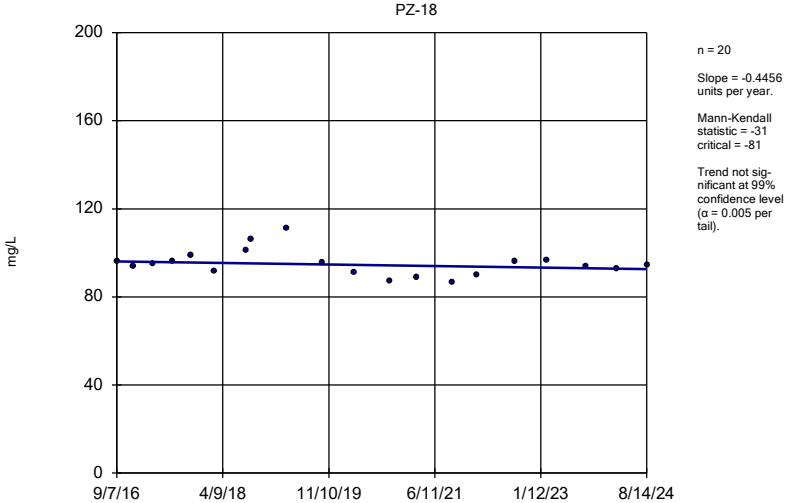
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-18



n = 20

Slope = -0.4456 units per year.

Mann-Kendall statistic = -31 critical = -81

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

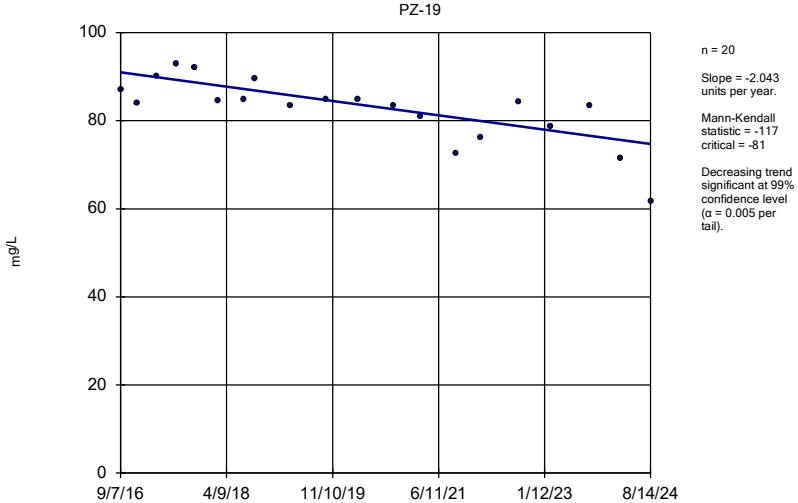
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-19



n = 20

Slope = -2.043 units per year.

Mann-Kendall statistic = -117 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

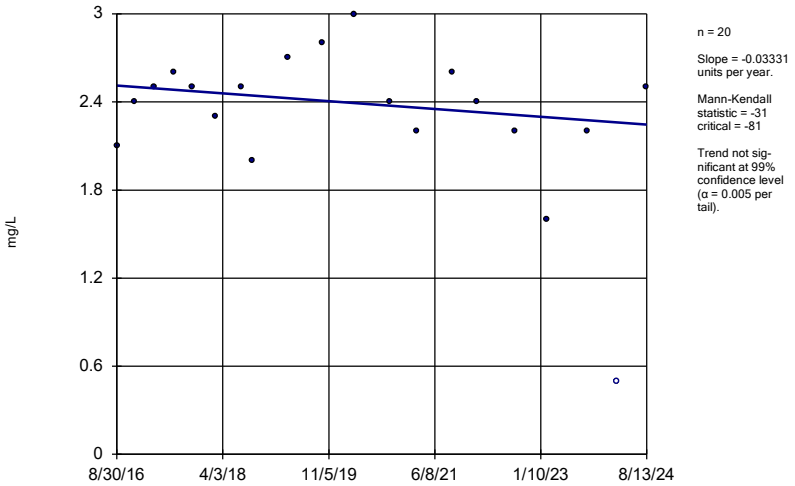
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-1D (bg)



n = 20

Slope = -0.03331 units per year.

Mann-Kendall statistic = -31
critical = -81

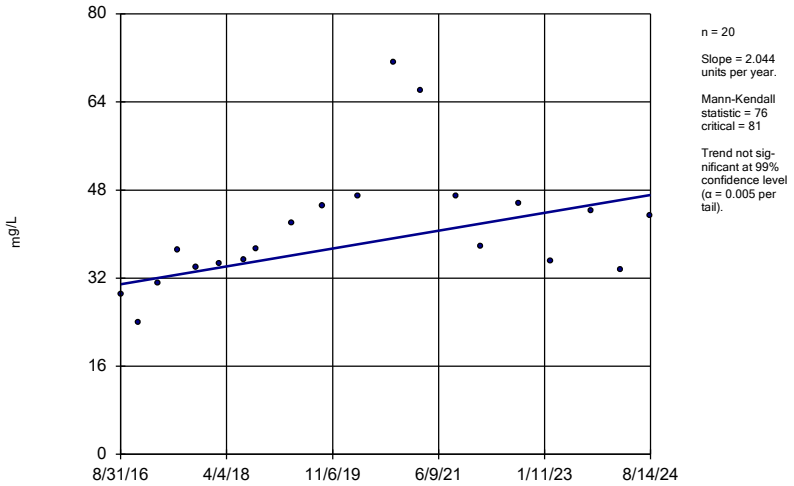
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-23A



n = 20

Slope = 2.044 units per year.

Mann-Kendall statistic = 76
critical = 81

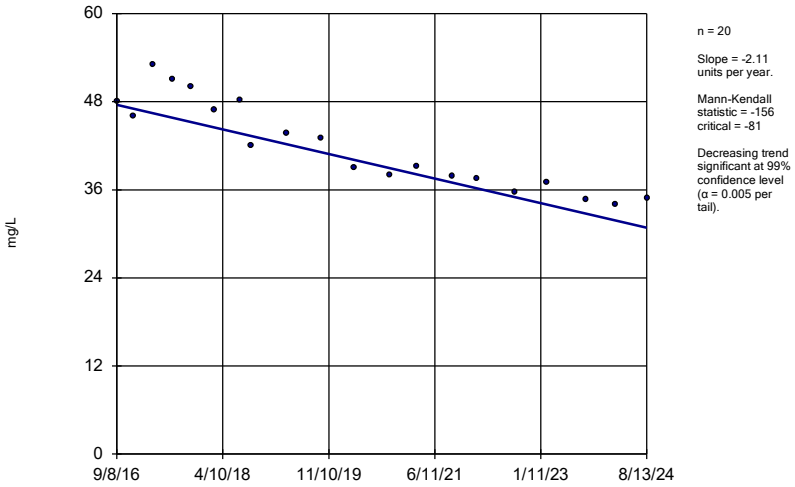
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-25



n = 20

Slope = -2.11 units per year.

Mann-Kendall statistic = -156
critical = -81

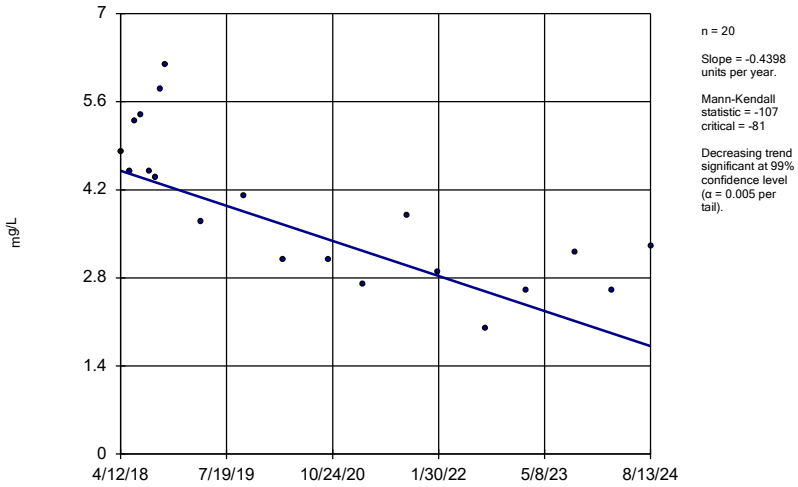
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-2D (bg)



n = 20

Slope = -0.4398 units per year.

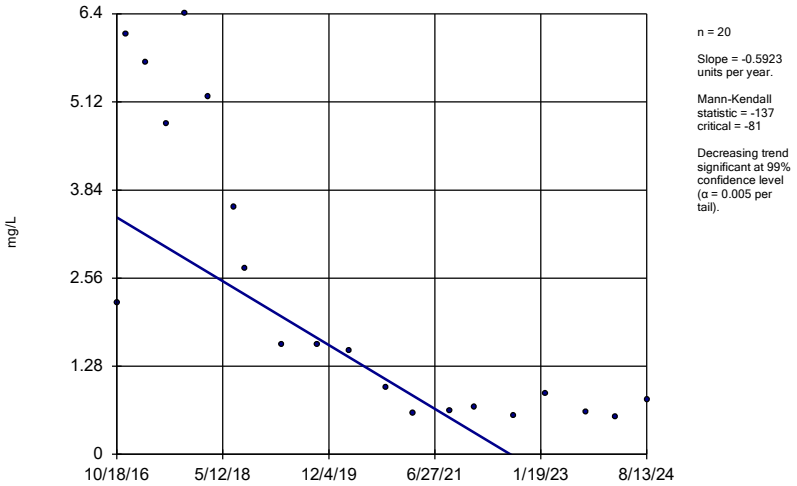
Mann-Kendall statistic = -107
critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-31 (bg)



n = 20

Slope = -0.5923 units per year.

Mann-Kendall statistic = -137 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

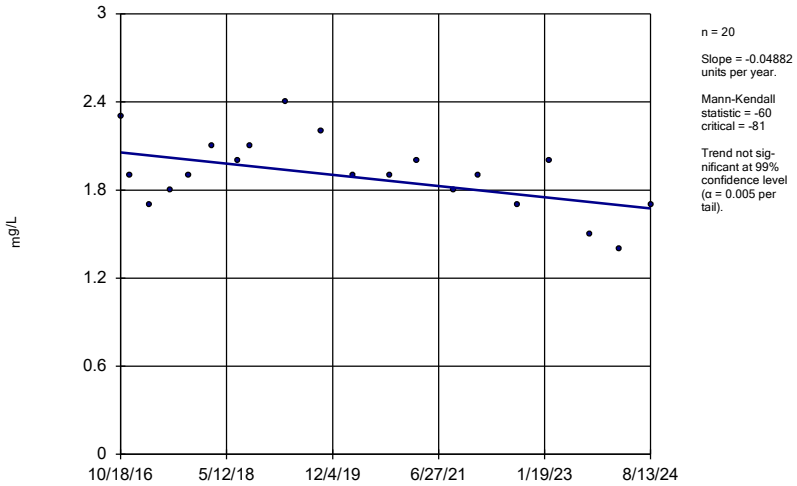
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-32 (bg)



n = 20

Slope = -0.04882 units per year.

Mann-Kendall statistic = -60 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

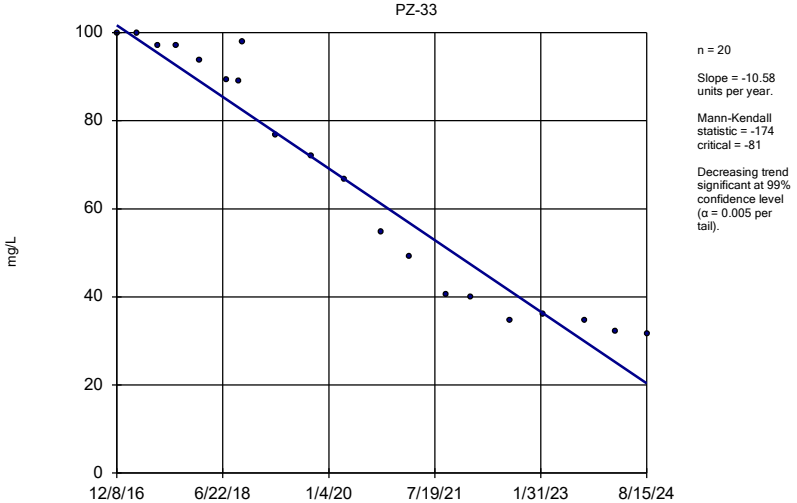
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-33



n = 20

Slope = -10.58 units per year.

Mann-Kendall statistic = -174 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

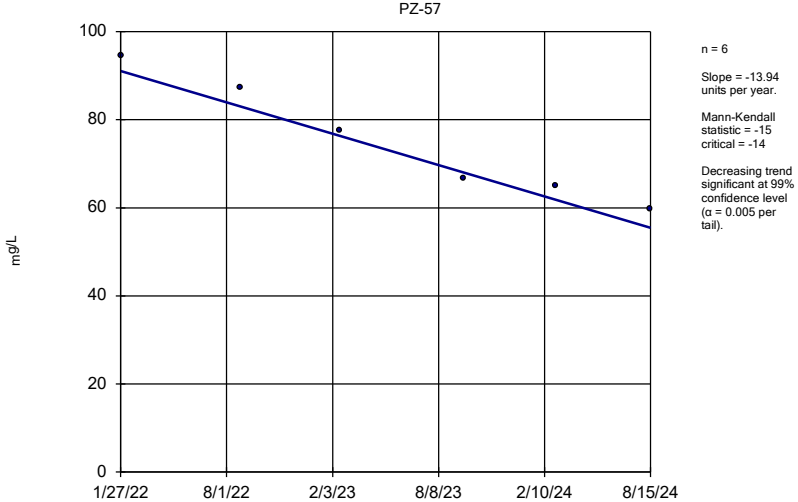
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-57



n = 6

Slope = -13.94 units per year.

Mann-Kendall statistic = -15 critical = -14

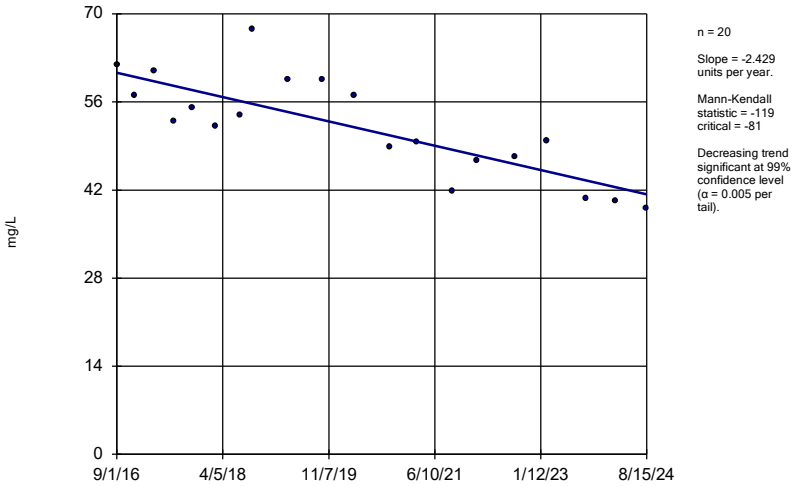
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-7D



n = 20

Slope = -2.429 units per year.

Mann-Kendall statistic = -119 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

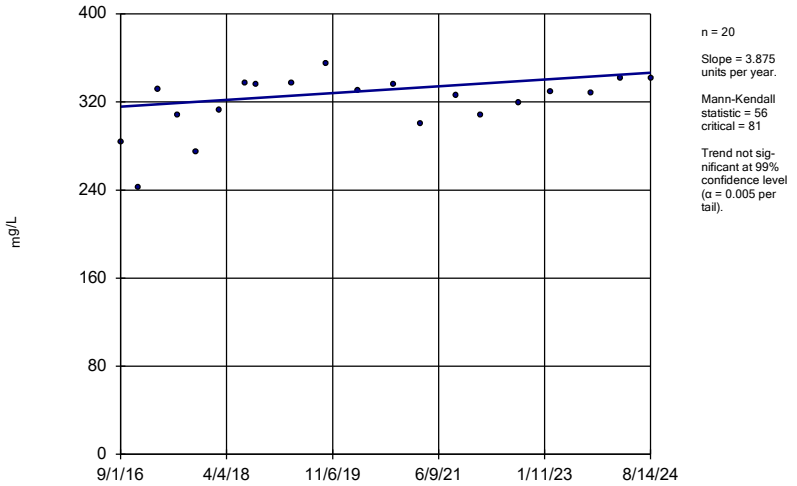
Constituent: Sulfate Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-15



n = 20

Slope = 3.875 units per year.

Mann-Kendall statistic = 56 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

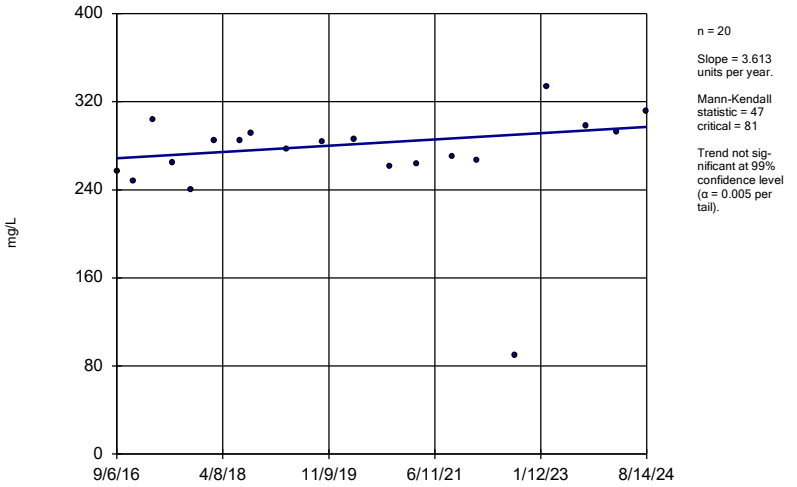
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-16



n = 20

Slope = 3.613 units per year.

Mann-Kendall statistic = 47 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

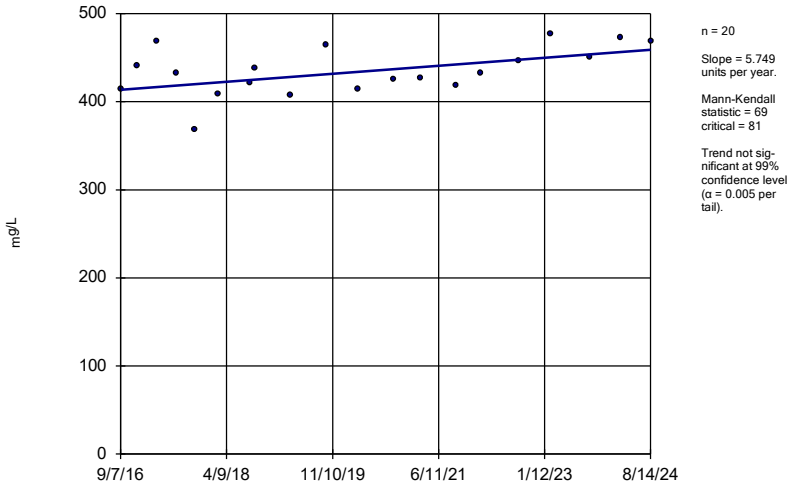
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-18



n = 20

Slope = 5.749 units per year.

Mann-Kendall statistic = 69 critical = 81

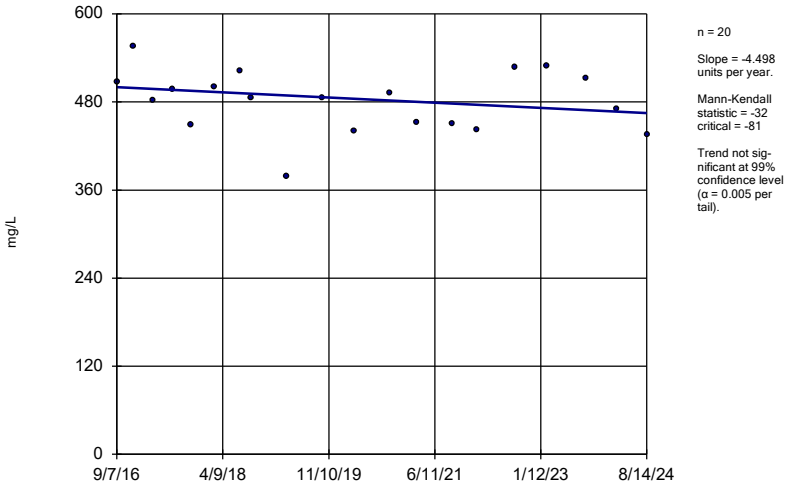
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-19



n = 20

Slope = -4.498 units per year.

Mann-Kendall statistic = -32 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

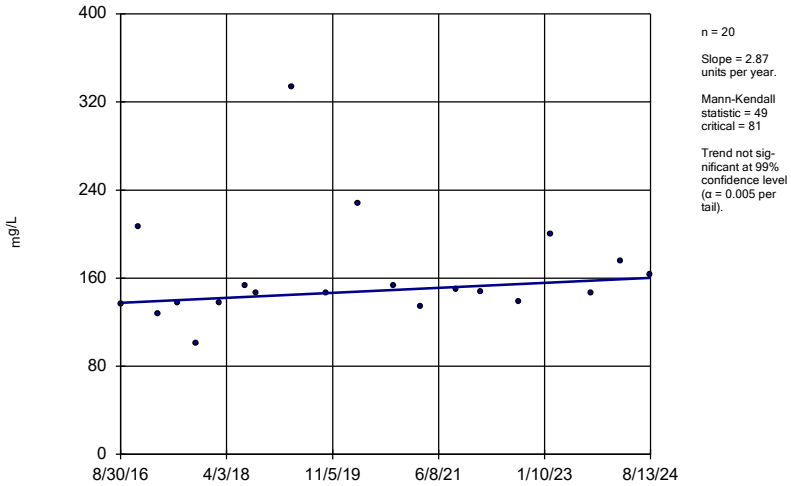
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-1D (bg)



n = 20

Slope = 2.87 units per year.

Mann-Kendall statistic = 49 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

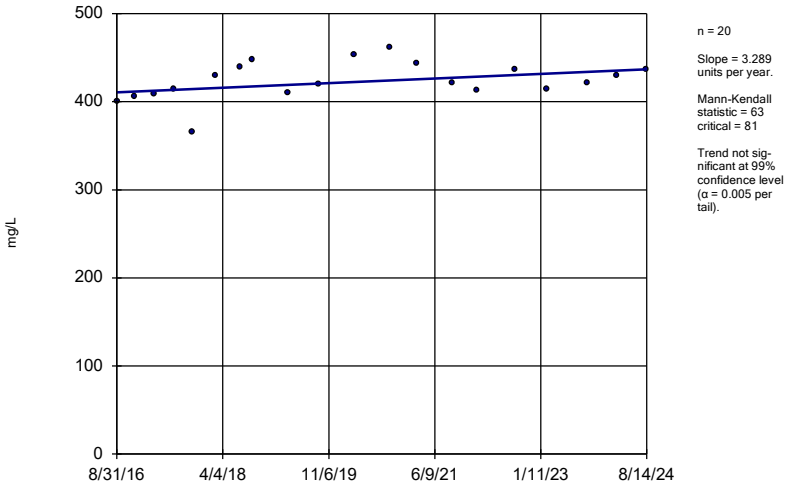
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-23A



n = 20

Slope = 3.289 units per year.

Mann-Kendall statistic = 63 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

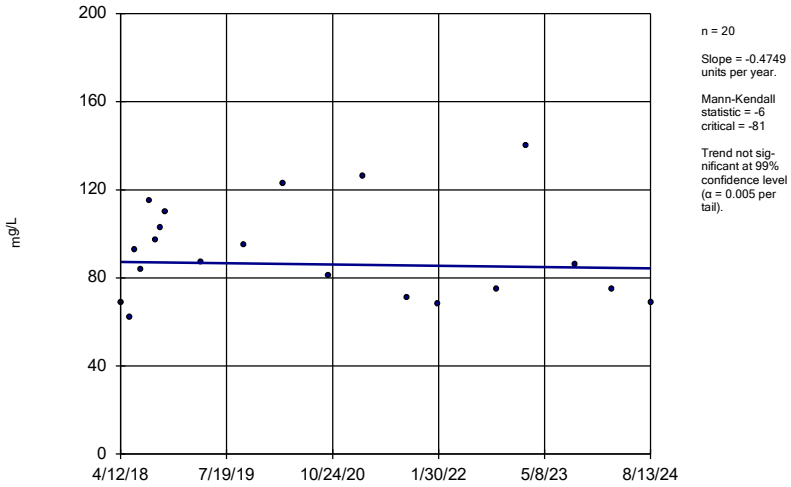
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-2D (bg)



n = 20

Slope = -0.4749 units per year.

Mann-Kendall statistic = -6 critical = -81

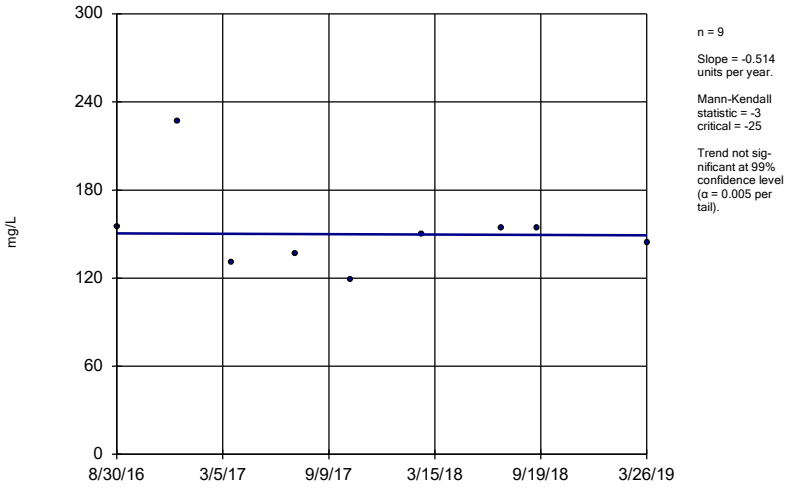
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-2S



n = 9

Slope = -0.514 units per year.

Mann-Kendall statistic = -3
critical = -25

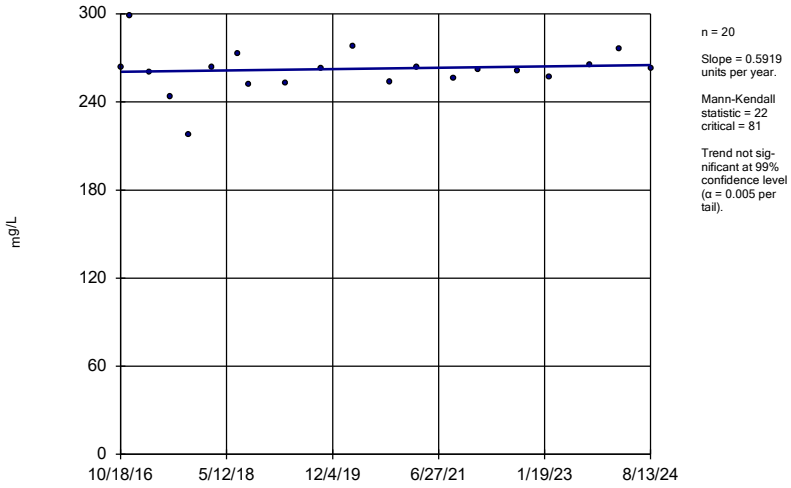
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-31 (bg)



n = 20

Slope = 0.5919 units per year.

Mann-Kendall statistic = 22
critical = 81

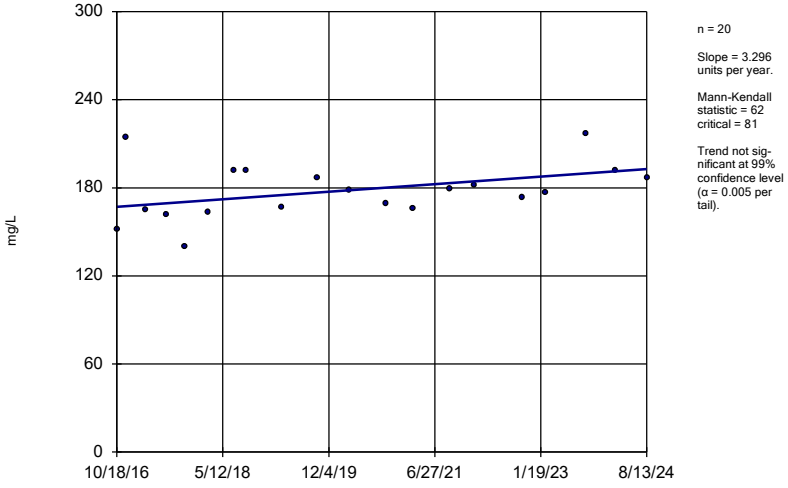
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-32 (bg)



n = 20

Slope = 3.296 units per year.

Mann-Kendall statistic = 62
critical = 81

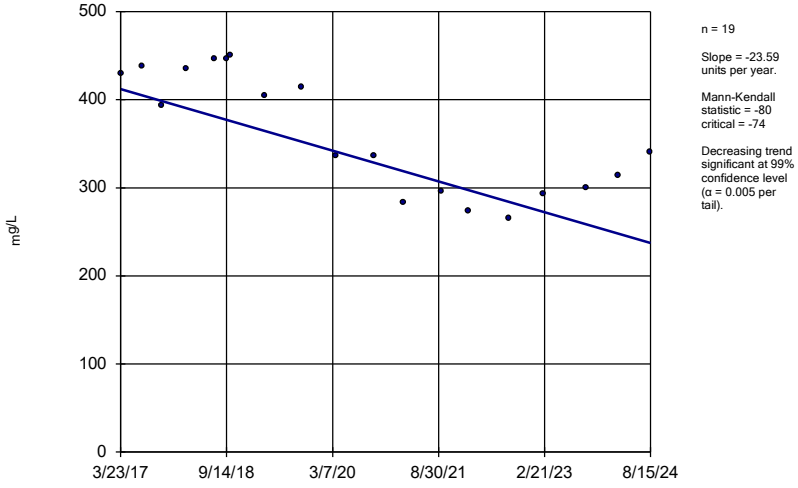
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-33



n = 19

Slope = -23.59 units per year.

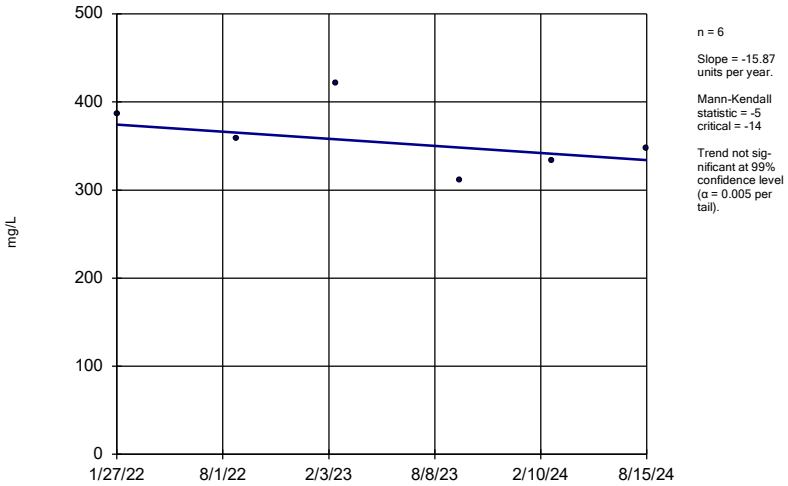
Mann-Kendall statistic = -80
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sen's Slope Estimator

PZ-57



n = 6

Slope = -15.87 units per year.

Mann-Kendall statistic = -5 critical = -14

Trend not significant at 99% confidence level (α = 0.005 per tail).

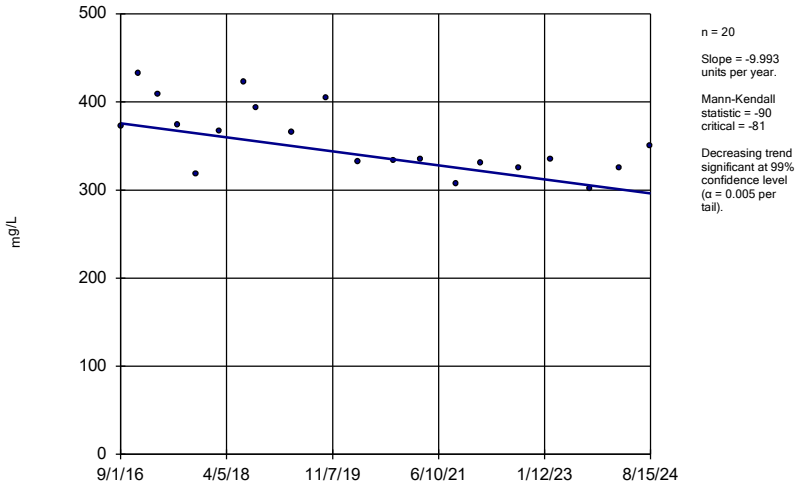
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-7D



n = 20

Slope = -9.993 units per year.

Mann-Kendall statistic = -90 critical = -81

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/24/2024 4:33 PM View: Appendix III - Trend Tes

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE F.

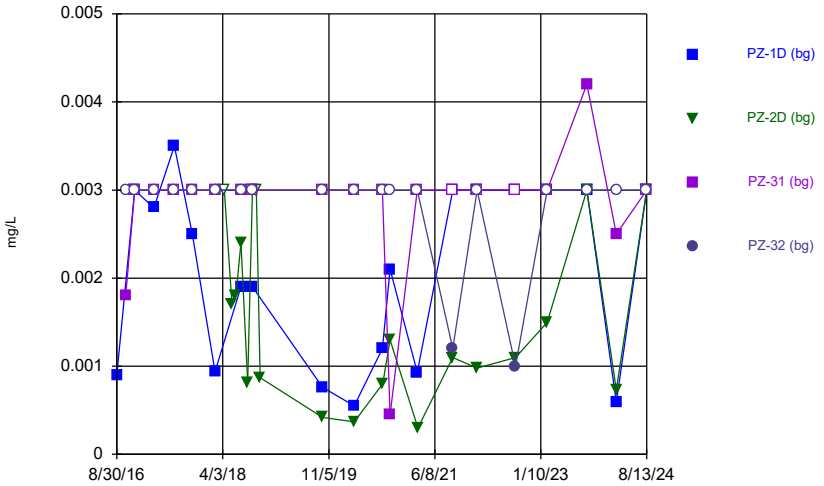
Upper Tolerance Limit Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 9/24/2024, 4:53 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	80	57.5	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	0.005	n/a	n/a	n/a	n/a	72	87.5	n/a	n/a	0.02489	NP Inter(NDs)
Barium (mg/L)	0.04406	n/a	n/a	n/a	n/a	80	1.25	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	64	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	64	100	n/a	n/a	0.03752	NP Inter(NDs)
Chromium (mg/L)	0.011	n/a	n/a	n/a	n/a	80	30	n/a	n/a	0.01652	NP Inter(normality)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	80	96.25	n/a	n/a	0.01652	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.598	n/a	n/a	n/a	n/a	78	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.29	n/a	n/a	n/a	n/a	84	46.43	n/a	n/a	0.01345	NP Inter(normality)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	80	83.75	n/a	n/a	0.01652	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	80	81.25	n/a	n/a	0.01652	NP Inter(NDs)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a	72	91.67	n/a	n/a	0.02489	NP Inter(NDs)
Molybdenum (mg/L)	0.01	n/a	n/a	n/a	n/a	80	76.25	n/a	n/a	0.01652	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	80	100	n/a	n/a	0.01652	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	80	91.25	n/a	n/a	0.01652	NP Inter(NDs)

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

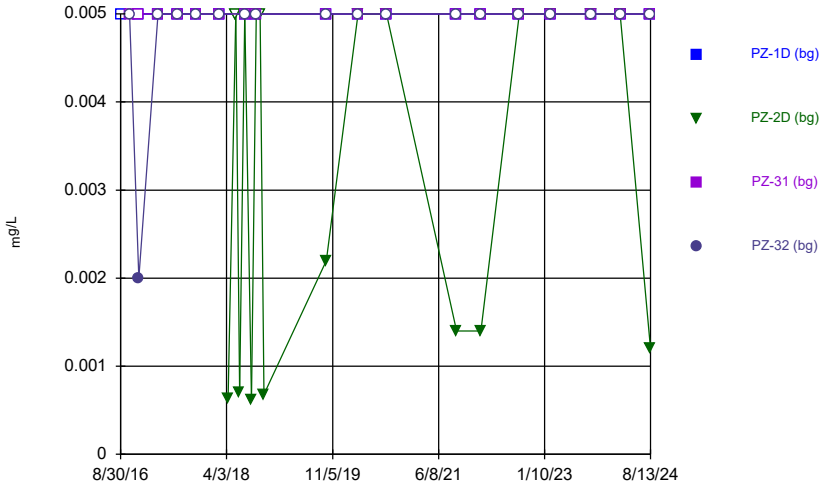
Time Series



Constituent: Antimony Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

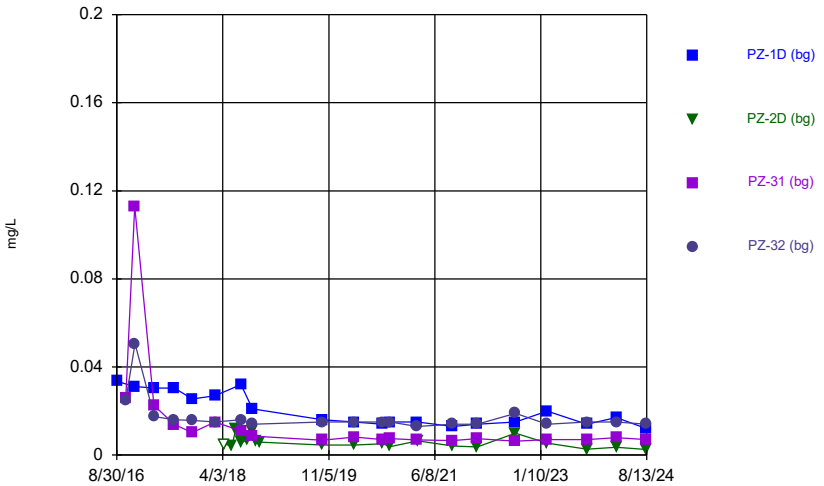
Time Series



Constituent: Arsenic Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

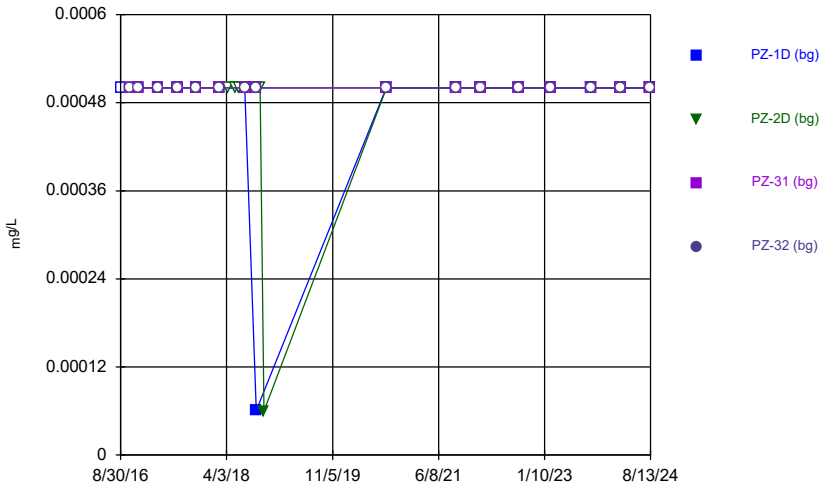
Time Series



Constituent: Barium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

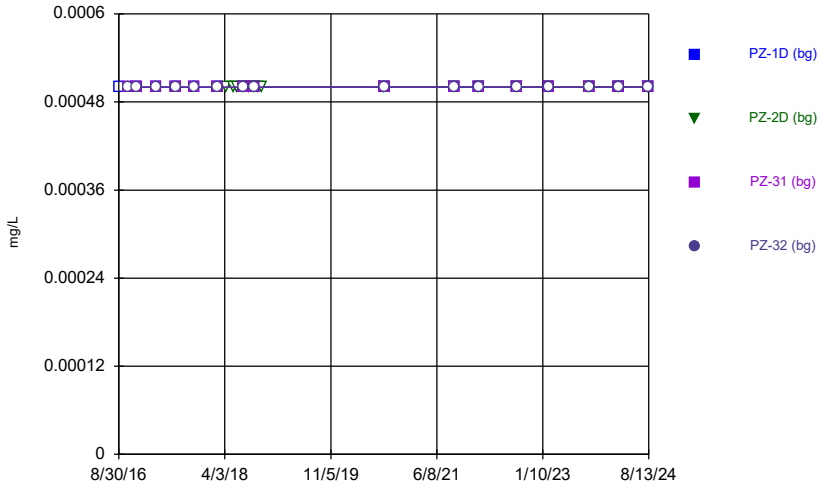
Time Series



Constituent: Beryllium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

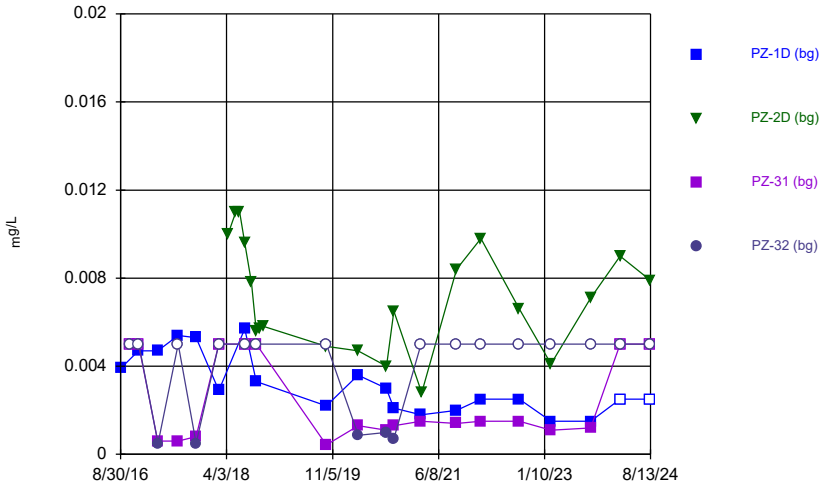
Time Series



Constituent: Cadmium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

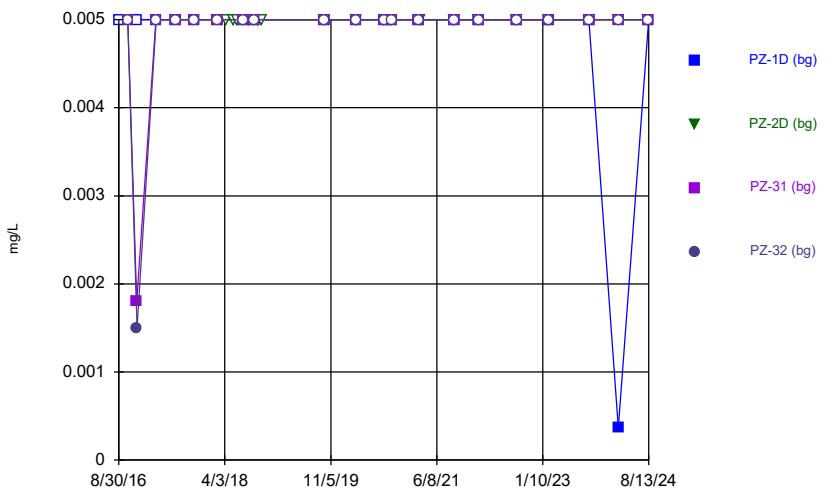
Time Series



Constituent: Chromium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

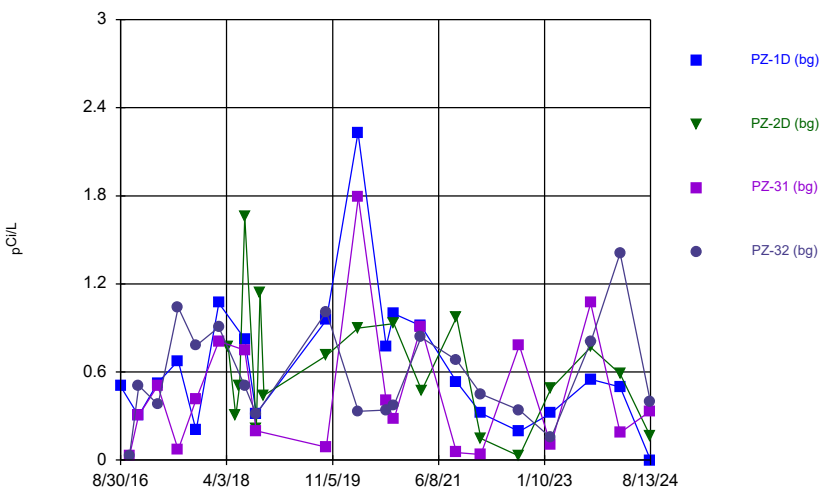
Time Series



Constituent: Cobalt Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

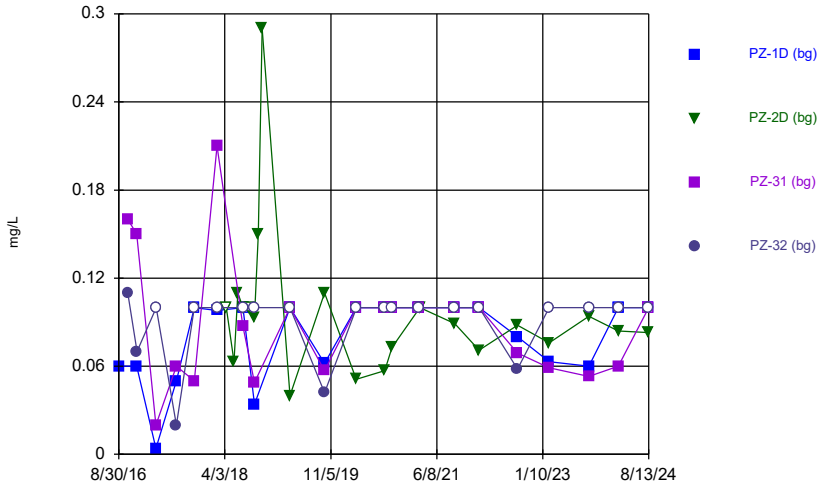
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

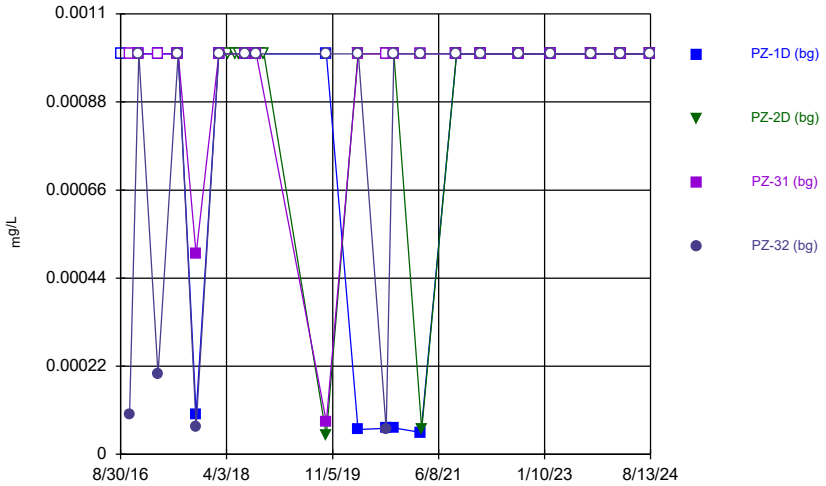
Time Series



Constituent: Fluoride Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

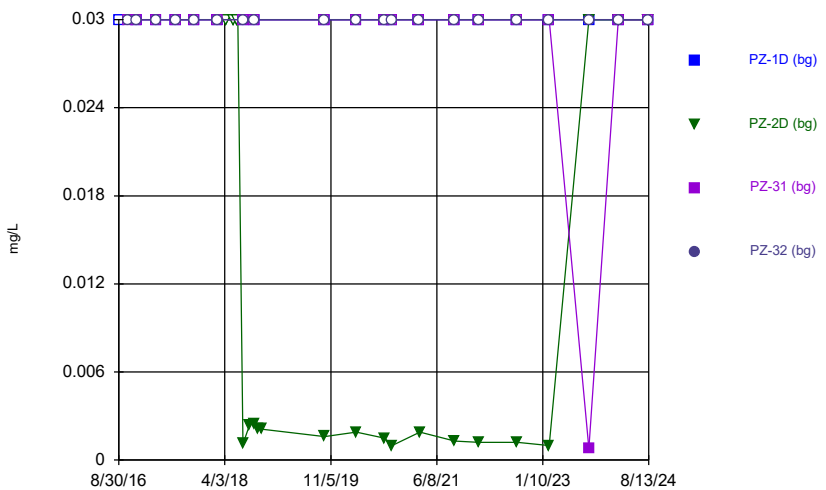
Time Series



Constituent: Lead Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

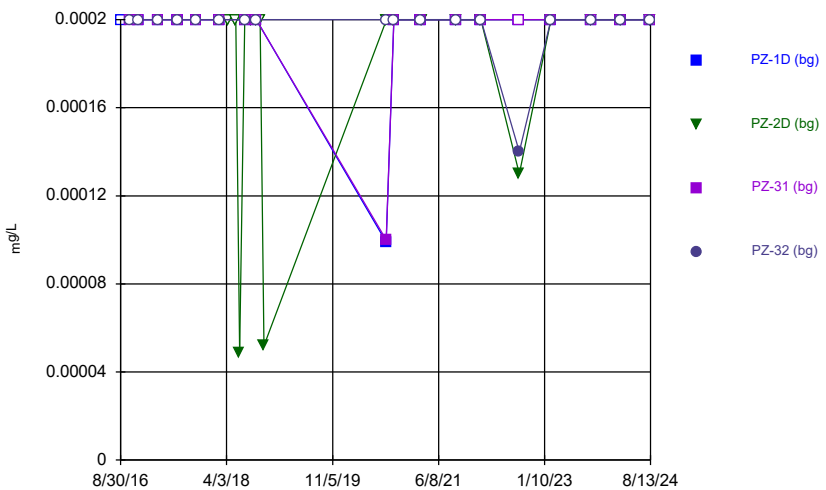
Time Series



Constituent: Lithium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

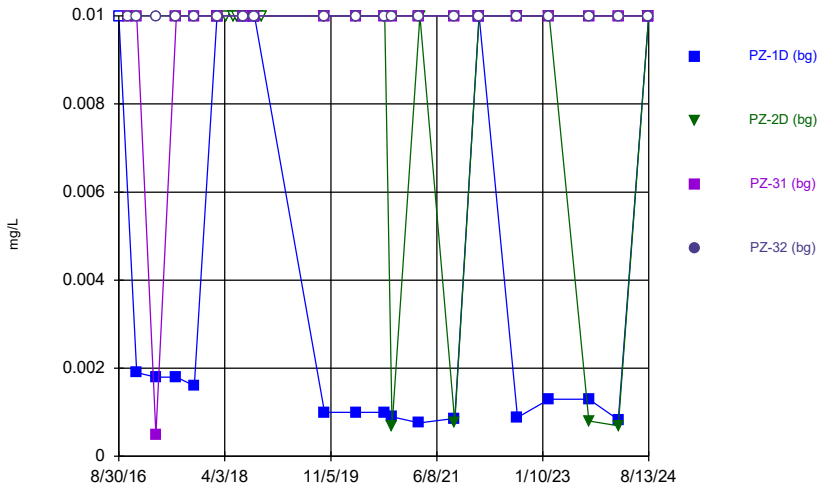
Time Series



Constituent: Mercury Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

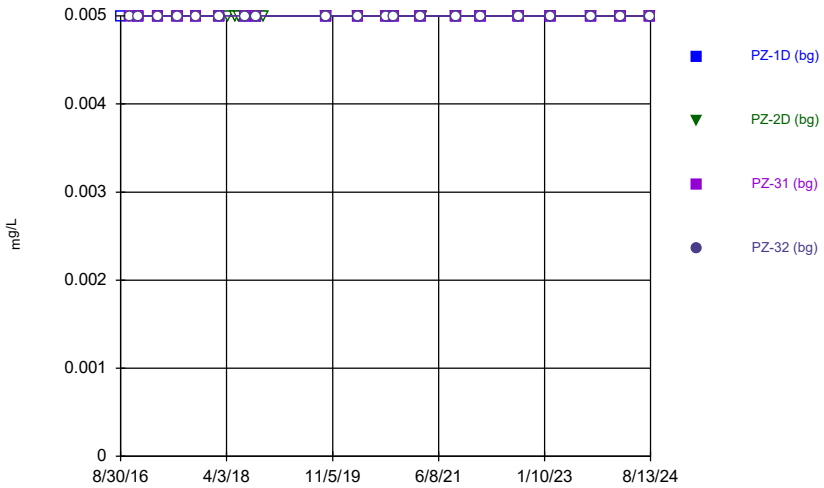
Time Series



Constituent: Molybdenum Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

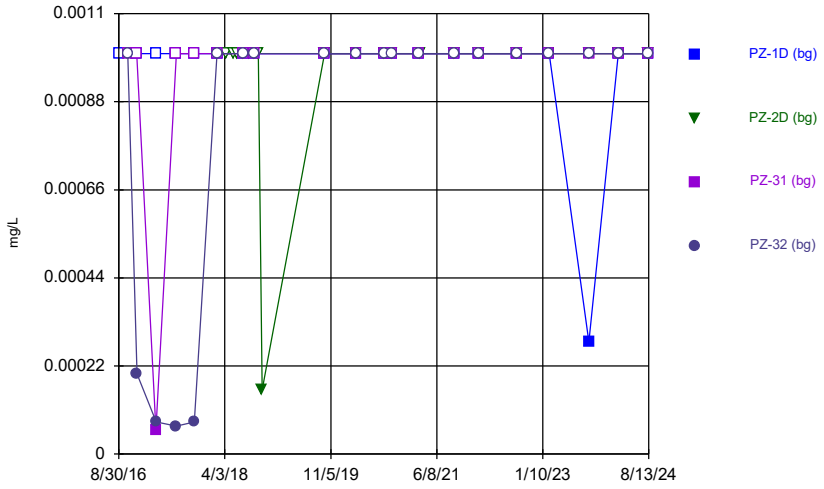
Time Series



Constituent: Selenium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

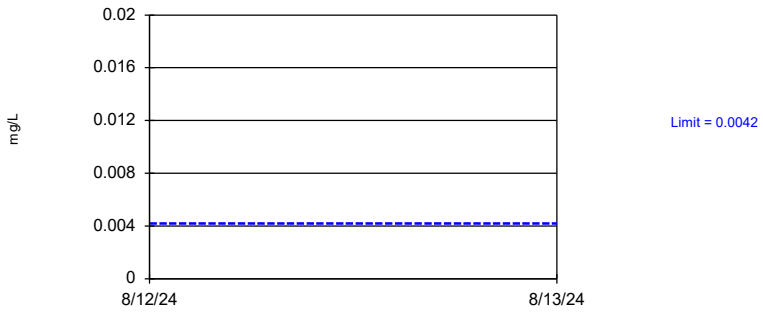
Time Series



Constituent: Thallium Analysis Run 9/24/2024 4:52 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

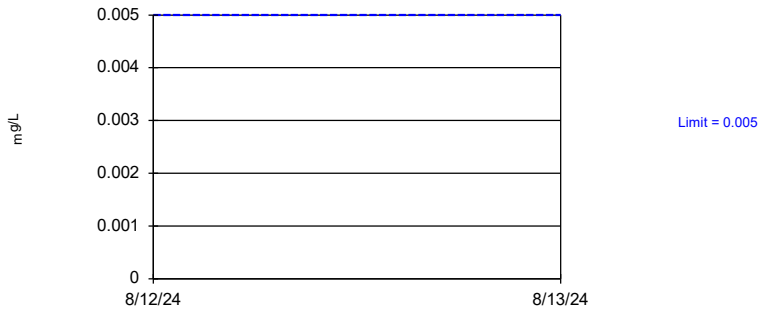


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 57.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Antimony Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

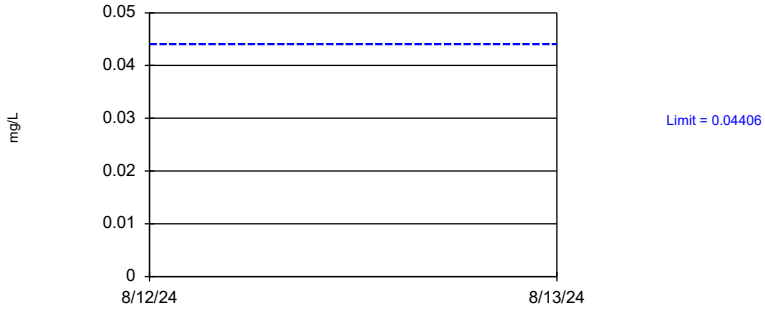


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 72 background values. 87.5% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02489.

Constituent: Arsenic Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Parametric

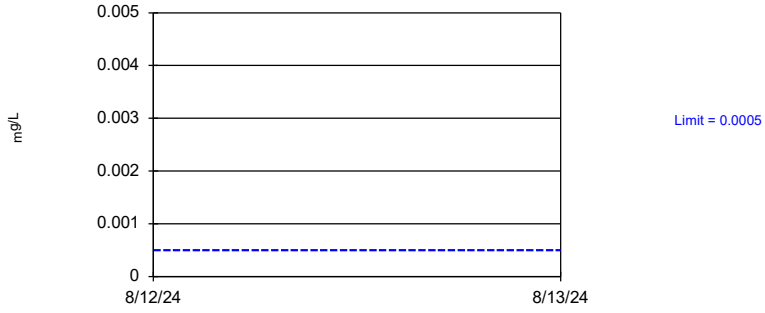


95% coverage. Background Data Summary (based on natural log transformation): Mean=-4.468, Std. Dev.=0.6859, n=80, 1.25% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.964, critical = 0.957. Report alpha = 0.05.

Constituent: Barium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

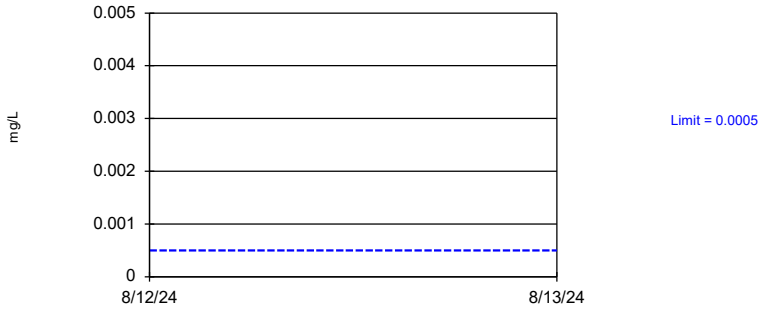


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 64 background values. 96.88% NDs. 93.16% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03752.

Constituent: Beryllium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

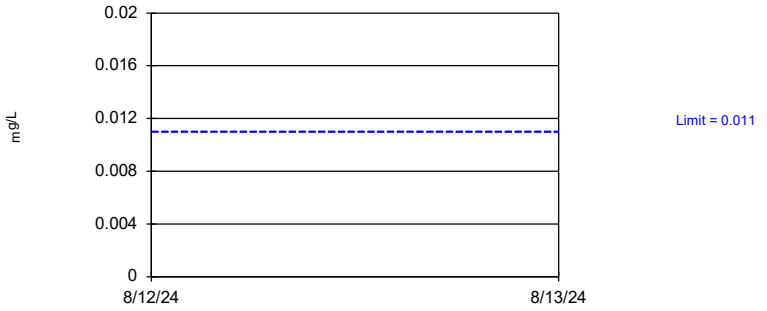


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 93.16% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03752.

Constituent: Cadmium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

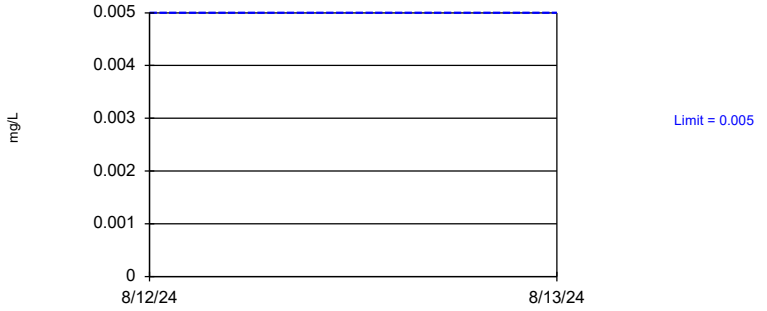


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 30% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Chromium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric

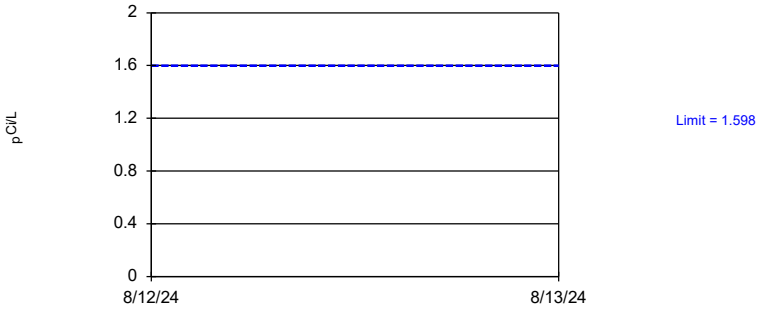


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 96.25% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Cobalt Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Parametric

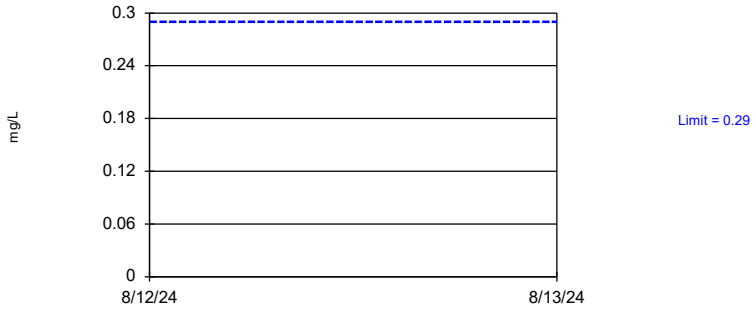


95% coverage. Background Data Summary (based on square root transformation): Mean=0.7005, Std. Dev.=0.2867, n=78. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9855, critical = 0.957. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric



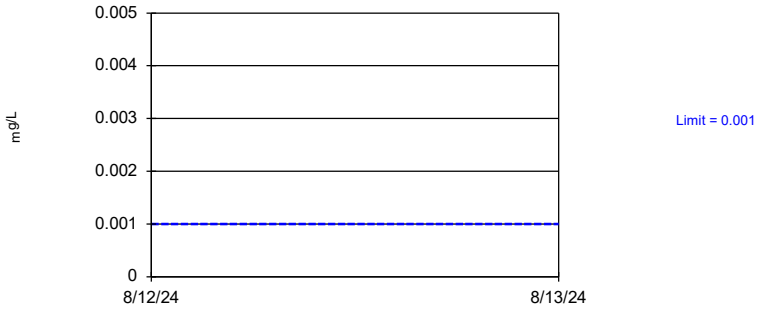
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. 46.43% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01345.

Constituent: Fluoride Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



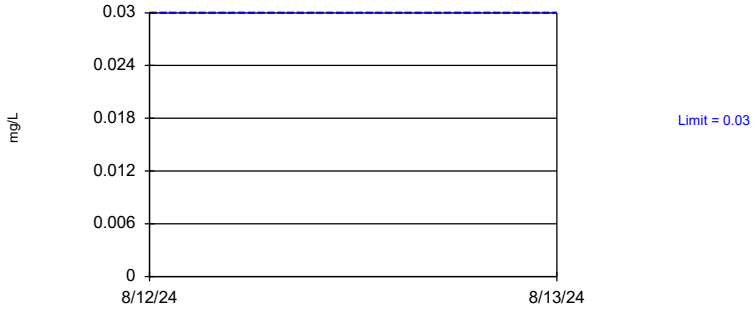
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 83.75% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Lead Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



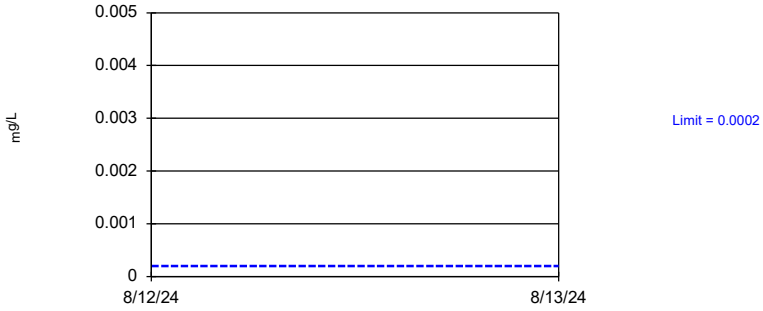
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 81.25% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Lithium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

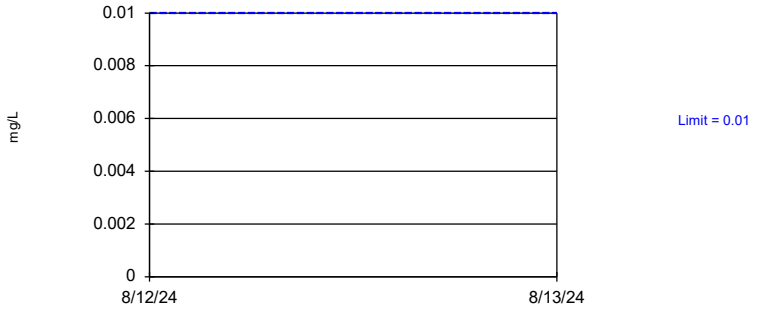


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 72 background values. 91.67% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02489.

Constituent: Mercury Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Tolerance Limit

Interwell Non-parametric



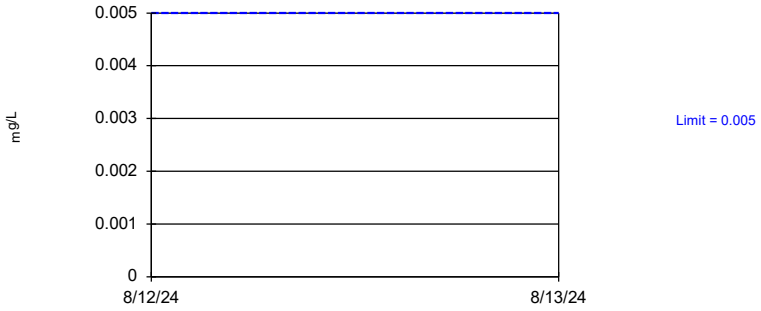
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 76.25% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Molybdenum Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 Sanitas software utilized by Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



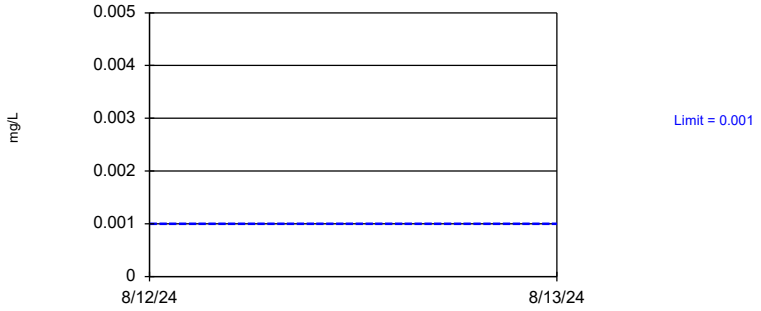
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Selenium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Sanitas™ v.10.0.22 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 80 background values. 91.25% 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: Thallium Analysis Run 9/24/2024 4:51 PM View: Appendix IV - UTLs
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

FIGURE G.

PLANT MITCHELL ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.044	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.011	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.6	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	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*

FIGURE H.

Appendix IV - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 2/7/2025, 11:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	20	0.00287	0.0005814	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	20	0.002781	0.0006769	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	20	0.002869	0.0005881	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	20	0.002543	0.0009403	80	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.004	0.0018	0.006	No	20	0.00291	0.0005046	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	20	0.002872	0.0005724	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	20	0.002804	0.0006402	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	20	0.00276	0.0007438	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-7D	0.003	0.00089	0.006	No	20	0.002496	0.001041	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	18	0.004768	0.0009829	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	18	0.004311	0.001589	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	18	0.004284	0.001646	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	18	0.004761	0.001014	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00089	0.01	No	18	0.004514	0.001418	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.0017	0.01	No	18	0.004113	0.001719	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.0013	0.01	No	18	0.00433	0.001545	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7D	0.005	0.0012	0.01	No	18	0.004789	0.0008957	94.44	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-14	0.02756	0.01528	2	No	20	0.0223	0.01281	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-15	0.0613	0.048	2	No	20	0.0574	0.01409	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.0446	0.034	2	No	20	0.0414	0.01217	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07651	0.06432	2	No	20	0.07042	0.01073	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	20	0.0288	0.0119	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05721	0.05178	2	No	20	0.0545	0.004787	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04713	0.0364	2	No	20	0.04211	0.009979	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	20	0.1065	0.00821	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.0753	0.04	2	No	19	0.056	0.01594	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-7D	0.008941	0.006524	2	No	20	0.007825	0.002259	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	16	0.0004625	0.0001025	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	16	0.000475	0.0001	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-14	0.005	0.0013	0.1	No	20	0.003357	0.001877	55	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.0011	0.1	No	20	0.003215	0.002032	55	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-18	0.005	0.00056	0.1	No	20	0.004778	0.0009928	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	20	0.004786	0.0009548	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.002198	0.001377	0.1	No	20	0.0026	0.001421	20	Kaplan-Meier	x^(1/3)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	20	0.004835	0.0007379	95	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002122	0.0009544	0.1	No	20	0.003995	0.003663	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	20	0.004615	0.001217	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0012	0.006	No	20	0.0039	0.001961	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	20	0.004775	0.001006	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0006	0.006	No	20	0.003681	0.002072	70	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	20	0.004605	0.001217	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.0008	0.006	No	20	0.003892	0.001971	75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.001815	0.001108	0.006	No	20	0.001572	0.0009049	5	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-33	0.005	0.0012	0.006	No	20	0.003891	0.001878	70	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8097	0.296	5	No	20	0.6144	0.5295	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.018	0.7132	5	No	20	0.8786	0.2998	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.8152	0.4462	5	No	20	0.6307	0.325	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.072	0.5867	5	No	19	0.8295	0.4146	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	1.041	0.4465	5	No	18	0.7437	0.4911	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.23	0.7296	5	No	20	0.9797	0.4405	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.107	0.655	5	No	20	0.8812	0.3983	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.114	0.7235	5	No	20	0.919	0.3442	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.9333	0.5495	5	No	20	0.7414	0.338	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6494	0.3031	5	No	20	0.4763	0.3049	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-14	0.11	0.07	4	No	21	0.09081	0.02298	66.67	None	No	0.01	NP (NDs)

Appendix IV - All Results (No Significant)

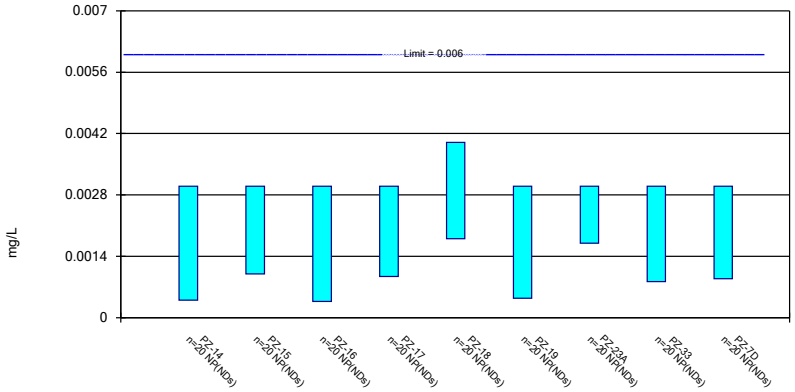
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR Printed 2/7/2025, 11:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-15	0.104	0.06682	4	No	21	0.1007	0.04292	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.053	4	No	21	0.08448	0.02347	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1161	0.06035	4	No	21	0.1107	0.05915	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.086	4	No	21	0.09957	0.03118	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.15	0.065	4	No	21	0.1076	0.07015	9.524	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.08865	0.05694	4	No	21	0.09533	0.05266	38.1	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-25	0.2155	0.1447	4	No	21	0.1838	0.06924	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.074	4	No	21	0.1007	0.03873	52.38	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-7D	0.1	0.056	4	No	21	0.08819	0.02917	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	20	0.0009525	0.0002124	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	20	0.0009541	0.0002055	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	20	0.0009236	0.0002434	90	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	20	0.0009521	0.0002142	95	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	20	0.0008628	0.0003357	85	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	20	0.0009069	0.0002868	90	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	20	0.0009521	0.0002144	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	20	0.02865	0.006037	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.0012	0.04	No	20	0.01132	0.01406	35	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-17	0.003	0.002	0.04	No	20	0.007765	0.01142	20	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0025	0.04	No	20	0.005155	0.006823	10	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01407	0.01093	0.04	No	20	0.0125	0.002768	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.0011	0.04	No	20	0.02129	0.01364	70	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006798	0.005652	0.04	No	20	0.006225	0.00101	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-7D	0.0034	0.0024	0.04	No	20	0.00897	0.02732	5	None	No	0.01	NP (normality)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	18	0.00019	0.00003218	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	18	0.0001943	0.00002428	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	18	0.0001927	0.00003111	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	18	0.0001937	0.00002687	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	18	0.0001921	0.00003371	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	18	0.0001858	0.0000423	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	18	0.0001922	0.00002647	88.89	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.000053	0.002	No	18	0.0001918	0.00003465	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	18	0.0001774	0.00005362	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	18	0.0001841	0.00004642	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	20	0.009525	0.002124	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	20	0.00952	0.002147	95	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0023	0.0019	0.1	No	20	0.002265	0.0006953	5	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	20	0.009085	0.002817	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.001	0.1	No	20	0.00955	0.002012	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	20	0.004635	0.001124	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	20	0.00484	0.0007155	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.003674	0.002316	0.05	No	20	0.00561	0.003437	35	Kaplan-Meier	ln(x)	0.01	Param.
Selenium (mg/L)	PZ-23A	0.01	0.0019	0.05	No	20	0.004925	0.00384	35	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-7D	0.005	0.0017	0.05	No	20	0.0035	0.001708	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	20	0.000953	0.0002102	95	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.00022	0.002	No	20	0.0007605	0.0003761	70	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.0002	0.002	No	20	0.0007502	0.0003927	70	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	20	0.0006465	0.0003677	50	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	20	0.0008581	0.0003467	85	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006392	0.0004798	0.002	No	20	0.0005595	0.0001404	5	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00018	0.002	No	20	0.000636	0.0004147	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-25	0.001	0.00037	0.002	No	20	0.0006825	0.0002967	40	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00018	0.002	No	20	0.0007815	0.0003887	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-7D	0.001	0.0002	0.002	No	20	0.0007782	0.0003949	75	None	No	0.01	NP (NDs)

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

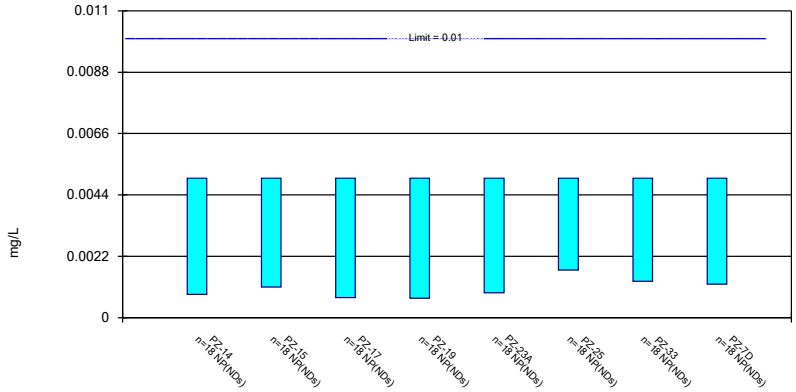


Constituent: Antimony Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

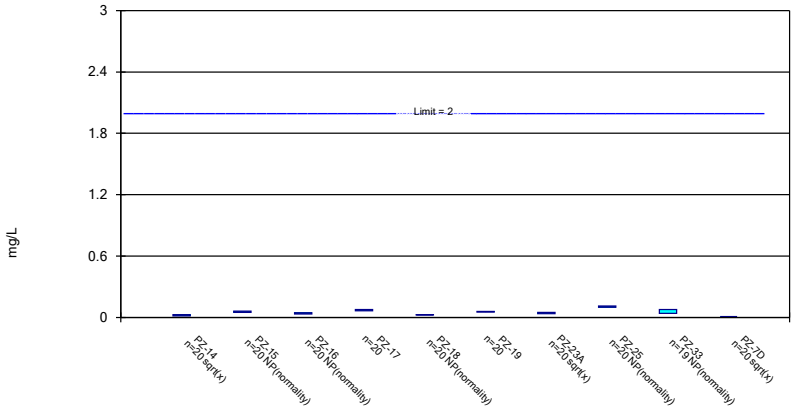


Constituent: Arsenic Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

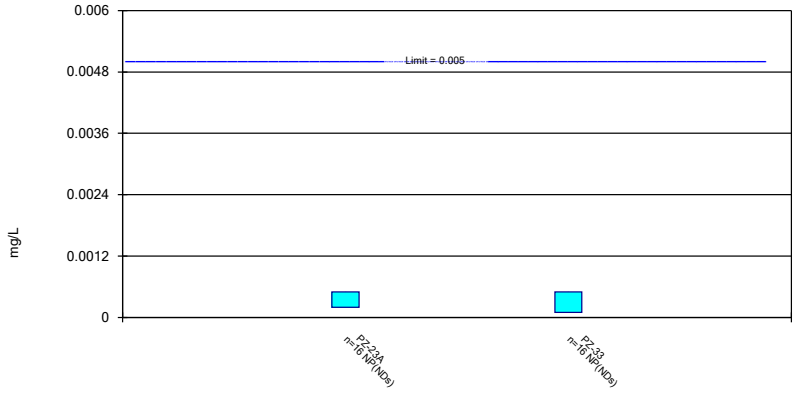


Constituent: Barium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

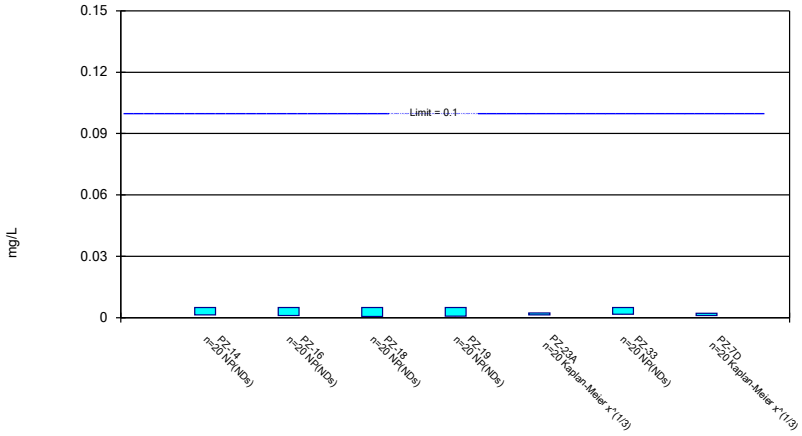


Constituent: Cadmium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

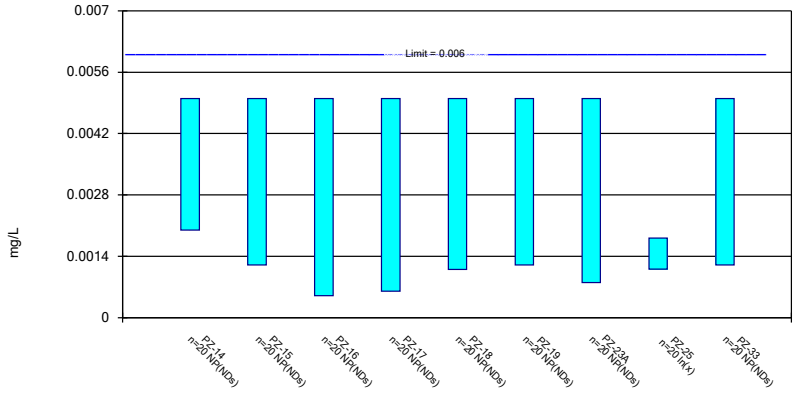


Constituent: Chromium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

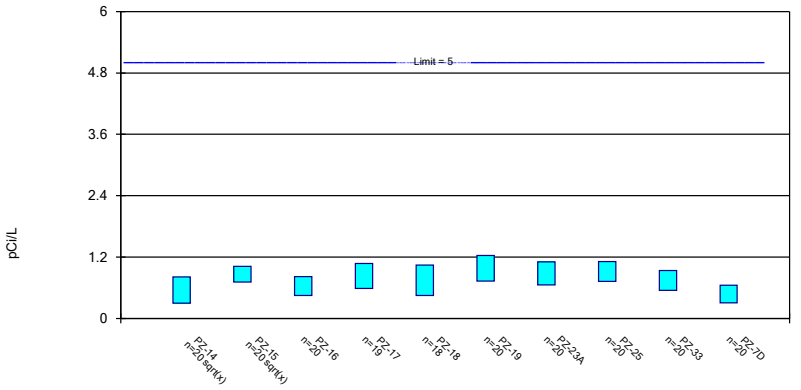


Constituent: Cobalt Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

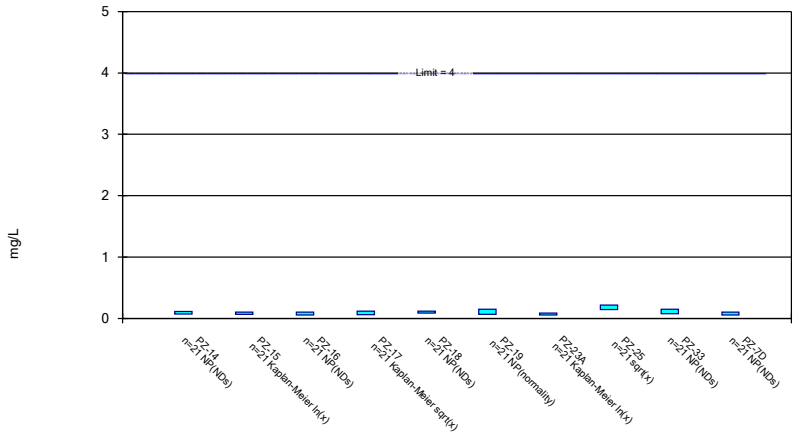


Constituent: Combined Radium 226 + 228 Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confiden
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

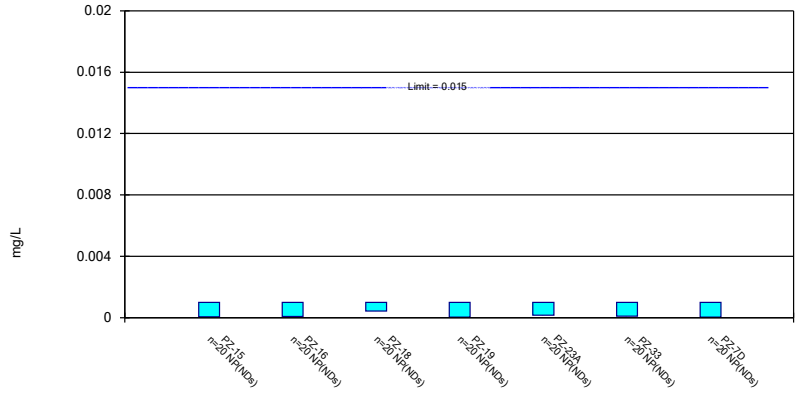


Constituent: Fluoride Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

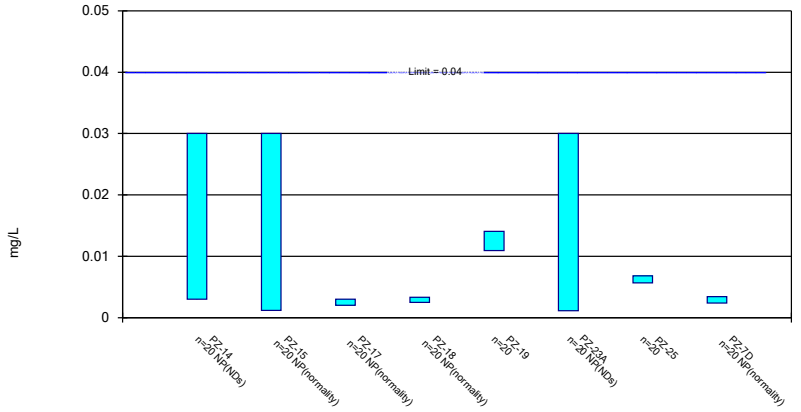


Constituent: Lead Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

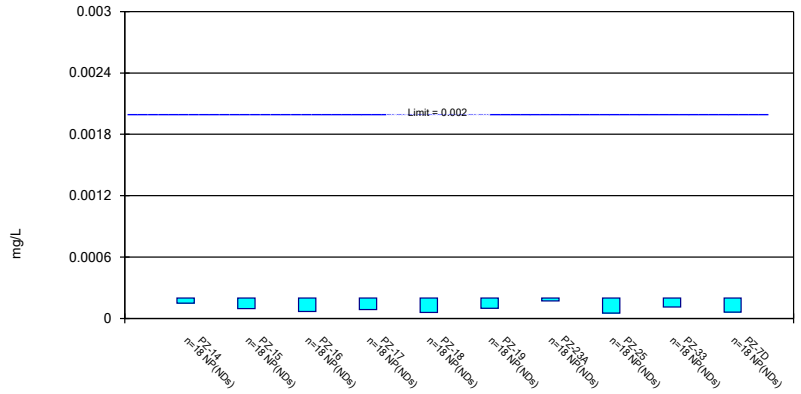


Constituent: Lithium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

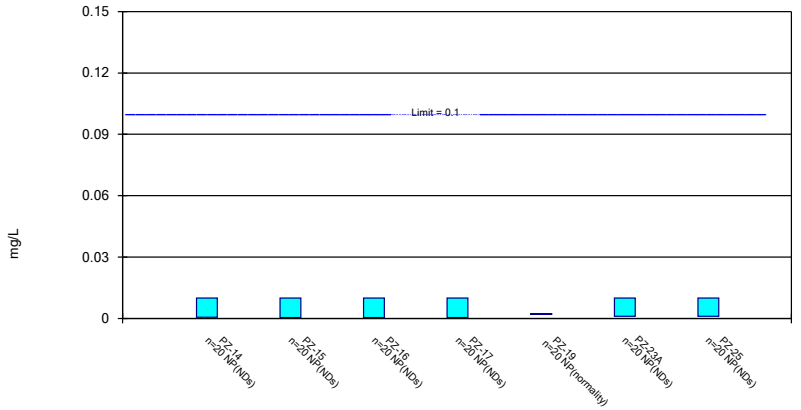


Constituent: Mercury Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

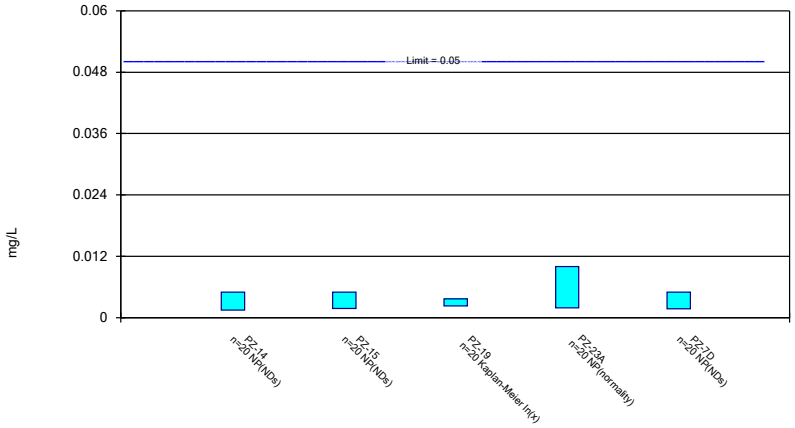


Constituent: Molybdenum Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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.

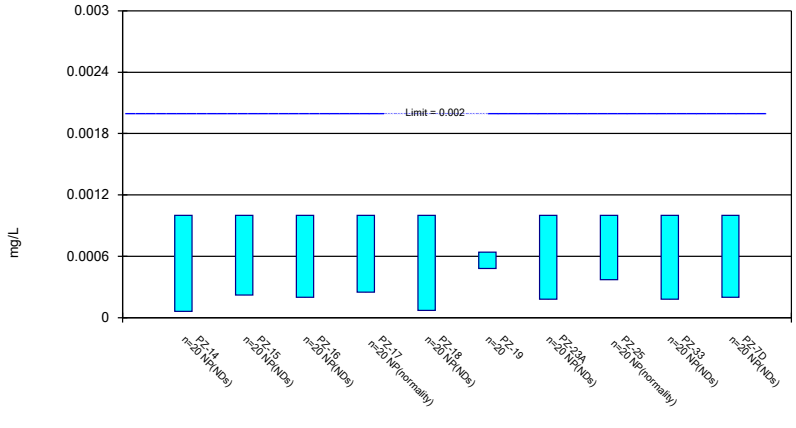


Constituent: Selenium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

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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: Thallium Analysis Run 2/7/2025 11:30 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-33	PZ-7D
8/31/2016	<0.003						<0.003		
9/1/2016		0.001 (J)							<0.003
9/6/2016			<0.003						
9/7/2016				<0.003	<0.003	<0.003			
12/7/2016	<0.003	<0.003	<0.003				<0.003		<0.003
12/8/2016				<0.003	<0.003	<0.003		<0.003	
3/21/2017	0.0004 (J)						<0.003		
3/22/2017		<0.003	<0.003	<0.003	<0.003				<0.003
3/23/2017						<0.003		<0.003	
7/11/2017	<0.003		<0.003				<0.003		
7/12/2017		<0.003		<0.003	<0.003	<0.003		<0.003	<0.003
10/18/2017	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003		
10/19/2017						<0.003		<0.003	<0.003
2/20/2018	<0.003						<0.003		
2/21/2018		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
7/11/2018	<0.003						<0.003		
7/12/2018		<0.003	<0.003			<0.003		<0.003	<0.003
8/15/2018					<0.003				
8/16/2018				<0.003					
9/12/2018	<0.003								
9/13/2018		<0.003	<0.003		<0.003		<0.003		<0.003
9/14/2018				<0.003		<0.003		<0.003	
10/4/2018								<0.003	
9/10/2019							<0.003		
10/2/2019	<0.003	<0.003	<0.003	<0.003					
10/3/2019					<0.003	0.00044 (X)		<0.003	0.00029 (X)
3/25/2020	<0.003			0.00094 (J)			<0.003		
3/26/2020		<0.003	<0.003		0.0018 (J)	<0.003		<0.003	0.00042 (J)
8/26/2020	<0.003	0.00062 (J)	0.00037 (J)	0.00061 (J)		<0.003	0.00038 (J)	<0.003	0.00031 (J)
8/27/2020					<0.003				
10/6/2020	<0.003		<0.003				<0.003		
10/7/2020		<0.003		<0.003	0.0014 (J)	<0.003		0.00037 (J)	<0.003
3/3/2021	<0.003					<0.003	0.0017 (J)		
3/4/2021		<0.003	<0.003	0.00055 (J)	<0.003			<0.003	<0.003
9/15/2021	<0.003	<0.003	<0.003				<0.003		
9/16/2021				<0.003	<0.003	<0.003		<0.003	<0.003
1/26/2022	<0.003	<0.003	<0.003				<0.003		
1/27/2022				<0.003	<0.003	<0.003		<0.003	<0.003
8/24/2022								0.00082 (J)	
8/25/2022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
2/14/2023	<0.003						<0.003		
2/15/2023		<0.003	<0.003		<0.003	<0.003			<0.003
2/16/2023				<0.003				<0.003	
9/19/2023			<0.003						
9/20/2023	<0.003	<0.003		<0.003	0.004	<0.003	<0.003		<0.003
9/21/2023								<0.003	
2/28/2024		<0.003					<0.003		0.00089 (J)
2/29/2024	<0.003		<0.003	0.00076 (J)	<0.003	<0.003		<0.003	
8/14/2024	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003		
8/15/2024				<0.003				<0.003	<0.003
Mean	0.00287	0.002781	0.002869	0.002543	0.00291	0.002872	0.002804	0.00276	0.002496
Std. Dev.	0.0005814	0.0006769	0.0005881	0.0009403	0.0005046	0.0005724	0.0006402	0.0007438	0.001041

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-33	PZ-7D
Upper Lim.	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003
Lower Lim.	0.0004	0.001	0.00037	0.00094	0.0018	0.00044	0.0017	0.00082	0.00089

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-19	PZ-23A	PZ-25	PZ-33	PZ-7D
8/31/2016	<0.005				<0.005			
9/1/2016		<0.005						<0.005
9/7/2016			<0.005	<0.005				
9/8/2016						0.0017 (J)		
12/7/2016	<0.005	<0.005			<0.005			<0.005
12/8/2016			<0.005	<0.005		<0.005	<0.005	
3/21/2017	<0.005				<0.005			
3/22/2017		0.0011 (J)	0.0007 (J)			0.001 (J)		<0.005
3/23/2017				0.0007 (J)			0.0007 (J)	
7/11/2017	<0.005				<0.005	<0.005		
7/12/2017		0.0006 (J)	<0.005	<0.005			<0.005	<0.005
10/18/2017	<0.005	<0.005	<0.005		<0.005	<0.005		
10/19/2017				<0.005			<0.005	<0.005
2/20/2018	<0.005				<0.005			
2/21/2018		0.00089 (J)	0.00072 (J)	<0.005		0.00071 (J)	0.00094 (J)	<0.005
7/11/2018	<0.005				<0.005			
7/12/2018		<0.005		<0.005		<0.005	<0.005	<0.005
8/16/2018			0.0007 (J)					
9/12/2018	<0.005							
9/13/2018		<0.005			<0.005	<0.005		<0.005
9/14/2018			<0.005	<0.005			<0.005	
10/4/2018							<0.005	
9/10/2019					0.00036 (X)			
10/2/2019	0.00083 (X)	<0.005	<0.005			0.00063 (X)		
10/3/2019				<0.005			<0.005	<0.005
3/25/2020	<0.005		<0.005		<0.005	<0.005		
3/26/2020		<0.005		<0.005			<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2021	<0.005	<0.005			<0.005	<0.005		
9/16/2021			<0.005	<0.005			<0.005	<0.005
1/26/2022	<0.005	<0.005			<0.005	<0.005		
1/27/2022			<0.005	<0.005			<0.005	<0.005
8/24/2022						<0.005	<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
2/14/2023	<0.005				<0.005			
2/15/2023		<0.005		<0.005		<0.005		<0.005
2/16/2023			<0.005				<0.005	
9/19/2023						<0.005		
9/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
9/21/2023							<0.005	
2/27/2024						<0.005		
2/28/2024		<0.005			<0.005			<0.005
2/29/2024	<0.005		<0.005	<0.005			<0.005	
8/13/2024						<0.005		
8/14/2024	<0.005	<0.005		<0.005	0.00089 (J)			
8/15/2024			<0.005				0.0013 (J)	0.0012 (J)
Mean	0.004768	0.004311	0.004284	0.004761	0.004514	0.004113	0.00433	0.004789
Std. Dev.	0.0009829	0.001589	0.001646	0.001014	0.001418	0.001719	0.001545	0.0008957
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00083	0.0011	0.00072	0.0007	0.00089	0.0017	0.0013	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	0.0253						0.0407		
9/1/2016		0.103							
9/6/2016			0.0794						
9/7/2016				0.0823	0.0717	0.067			
9/8/2016								0.102	
12/7/2016	0.065	0.0781	0.0689				0.0581		
12/8/2016				0.0668	0.0513	0.0522		0.102	0.162 (o)
3/21/2017	0.0379						0.0678		
3/22/2017		0.0589	0.0423	0.0821	0.0273			0.0951	
3/23/2017						0.0591			0.0753
7/11/2017	0.036		0.0467				0.0574	0.102	
7/12/2017		0.0613		0.0805	0.0269	0.0604			0.0756
10/18/2017	0.0247	0.0617	0.0446	0.0776	0.0258		0.0351	0.0997	
10/19/2017						0.0542			0.0681
2/20/2018	0.03						0.05		
2/21/2018		0.076	0.046	0.073	0.029	0.058		0.11	0.085
7/11/2018	0.027						0.051		
7/12/2018		0.056	0.043			0.057		0.1	0.076
8/15/2018					0.027				
8/16/2018				0.081					
9/12/2018	0.022								
9/13/2018		0.048	0.038		0.023		0.038	0.1	
9/14/2018				0.081		0.058			0.071
10/4/2018									0.072
9/10/2019							0.029		
10/2/2019	0.017	0.049	0.038	0.074				0.11	
10/3/2019					0.025	0.057			0.057
3/25/2020	0.021			0.077			0.048	0.11	
3/26/2020		0.048	0.034		0.023	0.052			0.057
8/26/2020	0.016	0.053	0.036	0.077		0.049	0.039	0.1	0.051
8/27/2020					0.023				
10/6/2020	0.016		0.034				0.037		
10/7/2020		0.049		0.074	0.023	0.054		0.11	0.048
3/3/2021	0.017					0.055	0.039	0.12	
3/4/2021		0.047	0.035	0.071	0.023				0.047
9/15/2021	0.014	0.045	0.032				0.037	0.11	
9/16/2021				0.064	0.022	0.053			0.039
1/26/2022	0.016	0.055	0.034				0.039	0.11	
1/27/2022				0.072	0.025	0.055			0.043
8/24/2022								0.1	0.038
8/25/2022	0.011	0.057	0.035	0.061	0.026	0.046	0.036		
2/14/2023	0.014						0.033		
2/15/2023		0.048	0.033		0.026	0.051		0.1	
2/16/2023				0.059					0.04
9/19/2023			0.038					0.11	
9/20/2023	0.01	0.05		0.058	0.022	0.053	0.035		
9/21/2023									0.041
2/27/2024								0.13	
2/28/2024		0.058					0.036		
2/29/2024	0.013		0.034	0.052	0.031	0.051			0.039
8/13/2024								0.11	
8/14/2024	0.013	0.046	0.036		0.025	0.048	0.036		

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/15/2024				0.045					0.041
Mean	0.0223	0.0574	0.0414	0.07042	0.0288	0.0545	0.04211	0.1065	0.056
Std. Dev.	0.01281	0.01409	0.01217	0.01073	0.0119	0.004787	0.009979	0.00821	0.01594
Upper Lim.	0.02756	0.0613	0.0446	0.07651	0.0273	0.05721	0.04713	0.11	0.0753
Lower Lim.	0.01528	0.048	0.034	0.06432	0.023	0.05178	0.0364	0.1	0.04

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/31/2016	
9/1/2016	0.0117
9/6/2016	
9/7/2016	
9/8/2016	
12/7/2016	0.0133
12/8/2016	
3/21/2017	
3/22/2017	0.0114
3/23/2017	
7/11/2017	
7/12/2017	0.0097 (J)
10/18/2017	
10/19/2017	0.0091 (J)
2/20/2018	
2/21/2018	0.0086 (J)
7/11/2018	
7/12/2018	0.0093 (J)
8/15/2018	
8/16/2018	
9/12/2018	
9/13/2018	0.0078 (J)
9/14/2018	
10/4/2018	
9/10/2019	
10/2/2019	
10/3/2019	0.007 (X)
3/25/2020	
3/26/2020	0.0072 (J)
8/26/2020	0.007 (J)
8/27/2020	
10/6/2020	
10/7/2020	0.0061 (J)
3/3/2021	
3/4/2021	0.0061
9/15/2021	
9/16/2021	0.0062
1/26/2022	
1/27/2022	0.0068
8/24/2022	
8/25/2022	0.0058
2/14/2023	
2/15/2023	0.006
2/16/2023	
9/19/2023	
9/20/2023	0.0059
9/21/2023	
2/27/2024	
2/28/2024	0.006
2/29/2024	
8/13/2024	
8/14/2024	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/15/2024	0.0055
Mean	0.007825
Std. Dev.	0.002259
Upper Lim.	0.008941
Lower Lim.	0.006524

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-23A	PZ-33
8/31/2016	0.0002 (J)	
12/7/2016	0.0002 (J)	
12/8/2016		<0.0005
3/21/2017	<0.0005	
3/23/2017		0.0001 (J)
7/11/2017	<0.0005	
7/12/2017		<0.0005
10/18/2017	<0.0005	
10/19/2017		<0.0005
2/20/2018	<0.0005	
2/21/2018		<0.0005
7/11/2018	<0.0005	
7/12/2018		<0.0005
9/13/2018	<0.0005	
9/14/2018		<0.0005
10/4/2018		<0.0005
8/26/2020	<0.0005	<0.0005
9/15/2021	<0.0005	
9/16/2021		<0.0005
1/26/2022	<0.0005	
1/27/2022		<0.0005
8/24/2022		<0.0005
8/25/2022	<0.0005	
2/14/2023	<0.0005	
2/16/2023		<0.0005
9/20/2023	<0.0005	
9/21/2023		<0.0005
2/28/2024	<0.0005	
2/29/2024		<0.0005
8/14/2024	<0.0005	
8/15/2024		<0.0005
Mean	0.0004625	0.000475
Std. Dev.	0.0001025	0.0001
Upper Lim.	0.0005	0.0005
Lower Lim.	0.0002	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33	PZ-7D
8/31/2016	<0.005				<0.005		
9/1/2016							<0.01
9/6/2016		<0.005					
9/7/2016			<0.005	<0.005			
12/7/2016	<0.005	<0.005			<0.005		0.003 (J)
12/8/2016			<0.005	<0.005		<0.005	
3/21/2017	<0.005				0.0009 (J)		
3/22/2017		0.0008 (J)	<0.005				0.0005 (J)
3/23/2017				<0.005		0.0017 (J)	
7/11/2017	<0.005	<0.005			0.0016 (J)		
7/12/2017			<0.005	<0.005		<0.005	<0.01
10/18/2017	<0.005	<0.005	<0.005		0.0019 (J)		
10/19/2017				<0.005		<0.005	0.0005 (J)
2/20/2018	<0.005				<0.005		
2/21/2018		<0.005	<0.005	<0.005		<0.005	<0.01
7/11/2018	<0.005				0.0021 (J)		
7/12/2018		<0.005		<0.005		<0.005	<0.01
8/15/2018			<0.005				
9/12/2018	<0.005						
9/13/2018		<0.005	<0.005		0.0022 (J)		<0.01
9/14/2018				<0.005		<0.005	
10/4/2018						<0.005	
9/10/2019					0.0044 (X)		
10/2/2019	<0.005	0.00044 (X)					
10/3/2019			<0.005	<0.005		<0.005	0.0004 (X)
3/25/2020	0.0013 (J)				0.0012 (J)		
3/26/2020		0.0013 (J)	0.00056 (J)	0.00073 (J)		<0.005	0.0016 (J)
8/26/2020	0.0011 (J)	0.00087 (J)		<0.005	0.0014 (J)	<0.005	0.0011 (J)
8/27/2020			<0.005				
10/6/2020	0.00098 (J)	0.0011 (J)			0.0015 (J)		
10/7/2020			<0.005	<0.005		<0.005	0.0014 (J)
3/3/2021	0.00097 (J)			<0.005	0.0015 (J)		
3/4/2021		0.0012 (J)	<0.005			<0.005	0.0024 (J)
9/15/2021	0.0014 (J)	0.0011 (J)			0.0019 (J)		
9/16/2021			<0.005	<0.005		<0.005	0.0025 (J)
1/26/2022	0.0012 (J)	0.0013 (J)			0.0028 (J)		
1/27/2022			<0.005	<0.005		<0.005	0.0034 (J)
8/24/2022						<0.005	
8/25/2022	0.0014 (J)	0.0012 (J)	<0.005	<0.005	0.0022 (J)		0.0024 (J)
2/14/2023	0.0018 (J)				0.0024 (J)		
2/15/2023		<0.005	<0.005	<0.005			0.0034 (J)
2/16/2023						<0.005	
9/19/2023		<0.005					
9/20/2023	0.002 (J)		<0.005	<0.005	0.002 (J)		0.0022 (J)
9/21/2023						<0.005	
2/28/2024					0.002 (J)		0.0025 (J)
2/29/2024	<0.005	<0.005	<0.005	<0.005		<0.005	
8/14/2024	<0.005	<0.005	<0.005	<0.005	<0.005		
8/15/2024						<0.005	0.0026 (J)
Mean	0.003357	0.003215	0.004778	0.004786	0.0026	0.004835	0.003995
Std. Dev.	0.001877	0.002032	0.0009928	0.0009548	0.001421	0.0007379	0.003663
Upper Lim.	0.005	0.005	0.005	0.005	0.002198	0.005	0.002122

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33	PZ-7D
Lower Lim.	0.0013	0.0011	0.00056	0.00073	0.001377	0.0017	0.0009544

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.005						<0.005		
9/1/2016		0.0012 (J)							
9/6/2016			0.0005 (J)						
9/7/2016				0.0011 (J)	0.0011 (J)	0.0012 (J)			
9/8/2016								0.0008 (J)	
12/7/2016	0.002 (J)	0.0005 (J)	<0.005				0.0008 (J)		
12/8/2016				0.0006 (J)	<0.005	0.0009 (J)		<0.01	0.0041 (J)
3/21/2017	<0.005						<0.005		
3/22/2017		0.0005 (J)	<0.005	0.0006 (J)	<0.005			0.001 (J)	
3/23/2017						<0.005			0.0008 (J)
7/11/2017	0.0003 (J)		<0.005				<0.005	0.001 (J)	
7/12/2017		0.0004 (J)		0.0005 (J)	<0.005	<0.005			0.0007 (J)
10/18/2017	<0.005	0.0004 (J)	<0.005	0.0005 (J)	<0.005		<0.005	0.0011 (J)	
10/19/2017						<0.005			0.0005 (J)
2/20/2018	<0.005						<0.005		
2/21/2018		<0.005	<0.005	<0.005	<0.005	<0.005		0.00075 (J)	0.0012 (J)
7/11/2018	<0.005						<0.005		
7/12/2018		<0.005	<0.005			<0.005		0.0008 (J)	0.00053 (J)
8/15/2018					<0.005				
8/16/2018				<0.005					
9/12/2018	<0.005								
9/13/2018		<0.005	<0.005		<0.005		<0.005	0.001 (J)	
9/14/2018				<0.005		<0.005			<0.005
10/4/2018									<0.005
9/10/2019							<0.005		
10/2/2019	<0.005	<0.005	<0.005	<0.005				0.0017 (X)	
10/3/2019					<0.005	<0.005			<0.005
3/25/2020	<0.005			0.00032 (J)			0.0003 (J)	0.0018 (J)	
3/26/2020		<0.005	<0.005		<0.005	<0.005			<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005		<0.005	0.00058 (J)	0.0016 (J)	<0.005
8/27/2020					<0.005				
10/6/2020	<0.005		<0.005				0.00067 (J)		
10/7/2020		<0.005		<0.005	<0.005	<0.005		0.0014 (J)	<0.005
3/3/2021	<0.005					<0.005	0.00049 (J)	0.0016 (J)	
3/4/2021		<0.005	<0.005	<0.005	<0.005				<0.005
9/15/2021	<0.005	<0.005	<0.005				<0.005	0.002 (J)	
9/16/2021				<0.005	<0.005	<0.005			<0.005
1/26/2022	<0.005	<0.005	<0.005				<0.005	0.0016 (J)	
1/27/2022				<0.005	<0.005	<0.005			<0.005
8/24/2022								0.0016 (J)	<0.005
8/25/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
2/14/2023	<0.005						<0.005		
2/15/2023		<0.005	<0.005		<0.005	<0.005		0.0012 (J)	
2/16/2023				<0.005					<0.005
9/19/2023			<0.005					0.0017 (J)	
9/20/2023	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
9/21/2023									<0.005
2/27/2024								0.0017 (J)	
2/28/2024		<0.005					<0.005		
2/29/2024	<0.005		<0.005	<0.005	<0.005	<0.005			<0.005
8/13/2024								0.0021 (J)	
8/14/2024	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/15/2024				<0.005					<0.005
Mean	0.004615	0.0039	0.004775	0.003681	0.004805	0.004605	0.003892	0.001572	0.003891
Std. Dev.	0.001217	0.001961	0.001006	0.002072	0.0008721	0.001217	0.001971	0.0009049	0.001878
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.001815	0.005
Lower Lim.	0.002	0.0012	0.0005	0.0006	0.0011	0.0012	0.0008	0.001108	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	1.77						1.85		
9/1/2016		1.19							
9/6/2016			1.12						
9/7/2016				1.06 (U)	1.51	1.22			
9/8/2016								1.41	
12/7/2016	0.672 (U)	1.88	1.37				0.844 (U)		
12/8/2016				1.3	1.29	1.69		1.39	0.968 (U)
3/21/2017	0.33 (U)						0.832 (U)		
3/22/2017		0.617 (U)	0.435 (U)	0.566 (U)	0.799 (U)			0.852 (U)	
3/23/2017						1.07			0.444 (U)
7/11/2017	0.701 (U)		0.76 (U)				0.824 (U)	1.04	
7/12/2017		0.674 (U)		0.856 (U)	0.4 (U)	0.849 (U)			0.814 (U)
10/18/2017	0.808 (U)	0.844 (U)	0.847 (U)	0.957	0.613 (U)		1.19	0.678 (U)	
10/19/2017						0.398 (U)			0.748 (U)
2/20/2018	2.12						0.975 (U)		
2/21/2018		0.842 (U)	0.373 (U)	1.4	0.736 (U)	1.03 (U)		0.863 (U)	1.05 (U)
7/11/2018	0.232 (U)						1.29		
7/12/2018		0.552 (U)	0.408 (U)			1.28 (U)		1.42	0.751 (U)
9/12/2018	0.532 (U)								
9/13/2018		0.662 (U)	0.472 (U)		0.708 (U)		0.765 (U)	0.766 (U)	
9/14/2018				1.16		0.74 (U)			1.01 (U)
10/4/2018									1.05
9/10/2019							0.575 (U)		
10/2/2019	0.915 (U)	1 (U)	0.65 (U)	1.34 (U)				1.48	
10/3/2019					2.07	1.9			1.62 (U)
3/25/2020	0.694 (U)			0.385 (U)			1.39	0.91 (U)	
3/26/2020		0.863 (U)	0.522 (U)		1.05	1.66			0.473 (U)
8/26/2020	0.115 (U)	0.681 (U)	0.499 (U)	1.62		0.703 (U)	0.774 (U)	0.95 (U)	0.782 (U)
10/6/2020	0.265 (U)		1.12 (U)				1.24 (U)		
10/7/2020		1.22 (U)		0.432 (U)	0.365 (U)	0.893		1.01 (U)	0.442 (U)
3/3/2021	0.328 (U)					0.469 (U)	1.01 (U)	0.545 (U)	
3/4/2021		0.674 (U)	0.404 (U)	0.734 (U)	0.498 (U)				1.03 (U)
9/15/2021	0.872 (U)	0.729 (U)	0.721 (U)				0.742 (U)	1.07 (U)	
9/16/2021				0.377 (U)	0.681 (U)	1.4			0.184 (U)
1/26/2022	0.185 (U)	0.879 (U)	0.117 (U)				0.76 (U)	0.282 (U)	
1/27/2022				0.314 (U)	0.418 (U)	0.255 (U)			0.259 (U)
8/24/2022								0.764 (U)	0.764 (U)
8/25/2022	0.453 (U)	1.05	0.728 (U)	0.98 (U)	0.0434 (U)	0.937	0.396 (U)		
2/14/2023	0.0857 (U)						0.521 (U)		
2/15/2023		0.875 (U)	0.137 (U)		0.828	0.652 (U)		0.484 (U)	
2/16/2023				0.129 (U)					0.765
9/19/2023			0.531 (U)					1.21 (U)	
9/20/2023	0.707 (U)	0.644 (U)		0.684 (U)	0.784 (U)	1.02 (U)	0.235 (U)		
9/21/2023									0.809 (U)
2/27/2024								0.437 (U)	
2/28/2024		0.948 (U)					0.261 (U)		
2/29/2024	0.433 (U)		0.463 (U)	0.621 (U)	0.228 (U)	0.744 (U)			0.478 (U)
8/13/2024								0.818 (U)	
8/14/2024	0.071 (U)	0.747 (U)	0.937 (U)		0.365 (U)	0.684 (U)	1.15 (U)		
8/15/2024				0.846 (U)					0.387 (U)
Mean	0.6144	0.8786	0.6307	0.8295	0.7437	0.9797	0.8812	0.919	0.7414
Std. Dev.	0.5295	0.2998	0.325	0.4146	0.4911	0.4405	0.3983	0.3442	0.338

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
Upper Lim.	0.8097	1.018	0.8152	1.072	1.041	1.23	1.107	1.114	0.9333
Lower Lim.	0.296	0.7132	0.4462	0.5867	0.4465	0.7296	0.655	0.7235	0.5495

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/31/2016	
9/1/2016	0.88 (U)
9/6/2016	
9/7/2016	
9/8/2016	
12/7/2016	0.179 (U)
12/8/2016	
3/21/2017	
3/22/2017	0.279 (U)
3/23/2017	
7/11/2017	
7/12/2017	0.125 (U)
10/18/2017	
10/19/2017	0.329 (U)
2/20/2018	
2/21/2018	0.504 (U)
7/11/2018	
7/12/2018	0.188 (U)
9/12/2018	
9/13/2018	0.0542 (U)
9/14/2018	
10/4/2018	
9/10/2019	
10/2/2019	
10/3/2019	1.37
3/25/2020	
3/26/2020	0.43 (U)
8/26/2020	0.572 (U)
10/6/2020	
10/7/2020	0.232 (U)
3/3/2021	
3/4/2021	0.529 (U)
9/15/2021	
9/16/2021	0.382 (U)
1/26/2022	
1/27/2022	0.315 (U)
8/24/2022	
8/25/2022	0.771 (U)
2/14/2023	
2/15/2023	0.496 (U)
2/16/2023	
9/19/2023	
9/20/2023	0.623 (U)
9/21/2023	
2/27/2024	
2/28/2024	0.676 (U)
2/29/2024	
8/13/2024	
8/14/2024	
8/15/2024	0.591 (U)
Mean	0.4763
Std. Dev.	0.3049

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
Upper Lim.	0.6494
Lower Lim.	0.3031

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	0.13 (J)						0.13 (J)		
9/1/2016		0.06 (J)							
9/6/2016			0.09 (J)						
9/7/2016				0.03 (J)	0.12 (J)	0.15 (J)			
9/8/2016								0.25 (J)	
12/7/2016	0.07 (J)	0.09 (J)	0.09 (J)				0.13 (J)		
12/8/2016				0.18 (J)	0.18 (J)	0.12 (J)		0.22 (J)	0.21 (J)
3/21/2017	<0.1						0.05 (J)		
3/22/2017		0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)			0.16 (J)	
3/23/2017						0.14 (J)			0.18 (J)
7/11/2017	0.05 (J)		0.05 (J)				0.05 (J)	0.23 (J)	
7/12/2017		0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)			0.06 (J)
10/18/2017	0.11 (J)	0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)		<0.1	0.28 (J)	
10/19/2017						<0.3			<0.1
2/20/2018	0.04 (J)						0.3 (J)		
2/21/2018		0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37		0.29 (J)	0.039 (J)
7/11/2018	<0.1						0.077 (J)		
7/12/2018		<0.1	<0.1			0.17 (J)		0.21 (J)	<0.1
8/15/2018					<0.1				
8/16/2018				0.073 (J)					
9/12/2018	<0.1								
9/13/2018		0.15 (J)	<0.1		<0.1		<0.1	0.22 (J)	
9/14/2018				<0.1		<0.3			<0.1
10/4/2018									0.15 (J)
3/27/2019	<0.1		<0.1		<0.1		<0.1	0.37	
3/28/2019		0.1		0.15		0.074			<0.1
9/10/2019							<0.1		
10/2/2019	0.056 (X)	0.075 (X)	0.053 (X)	0.063 (X)				0.16 (X)	
10/3/2019					0.043 (X)	0.084 (X)			0.06 (X)
3/25/2020	<0.1			<0.1			0.066 (J)	0.13 (J)	
3/26/2020		0.056 (J)	<0.1		<0.1	0.077 (J)			<0.1
8/26/2020	<0.1	<0.1	<0.1	<0.1		0.062 (J)	0.057 (J)	0.14	<0.1
8/27/2020					<0.1				
10/6/2020	<0.1		<0.1				0.052 (J)		
10/7/2020		<0.1		<0.1	<0.1	0.064 (J)		0.13	<0.1
3/3/2021	<0.1					0.058 (J)	<0.1	0.12	
3/4/2021		<0.1	<0.1	<0.1	<0.1				<0.1
9/15/2021	<0.1	<0.1	<0.1				<0.1	0.14	
9/16/2021				0.052 (J)	<0.1	0.067 (J)			<0.1
1/26/2022	<0.1	<0.1	<0.1				<0.1	0.11	
1/27/2022				<0.1	<0.1	0.056 (J)			<0.1
8/24/2022								0.15	0.092 (J)
8/25/2022	0.051 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)	0.074 (J)		
2/14/2023	<0.1						0.084 (J)		
2/15/2023		0.064 (J)	0.053 (J)		<0.1	0.086 (J)		0.16	
2/16/2023				0.077 (J)					0.082 (J)
9/19/2023			<0.1					0.14	
9/20/2023	<0.1	0.064 (J)		0.073 (J)	<0.1	0.082 (J)	0.062 (J)		
9/21/2023									0.074 (J)
2/27/2024								0.13	
2/28/2024		0.059 (J)					0.07 (J)		
2/29/2024	<0.1		<0.1	0.068 (J)	<0.1	0.078 (J)			0.068 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/13/2024								0.12	
8/14/2024	<0.1	<0.1	<0.1		<0.1	0.065 (J)	<0.1		
8/15/2024				<0.1					<0.1
Mean	0.09081	0.1007	0.08448	0.1107	0.09957	0.1076	0.09533	0.1838	0.1007
Std. Dev.	0.02298	0.04292	0.02347	0.05915	0.03118	0.07015	0.05266	0.06924	0.03873
Upper Lim.	0.11	0.104	0.1	0.1161	0.12	0.15	0.08865	0.2155	0.15
Lower Lim.	0.07	0.06682	0.053	0.06035	0.086	0.065	0.05694	0.1447	0.074

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/31/2016	
9/1/2016	<0.1
9/6/2016	
9/7/2016	
9/8/2016	
12/7/2016	0.15 (J)
12/8/2016	
3/21/2017	
3/22/2017	0.09 (J)
3/23/2017	
7/11/2017	
7/12/2017	0.02 (J)
10/18/2017	
10/19/2017	<0.1
2/20/2018	
2/21/2018	0.045 (J)
7/11/2018	
7/12/2018	<0.1
8/15/2018	
8/16/2018	
9/12/2018	
9/13/2018	<0.1
9/14/2018	
10/4/2018	
3/27/2019	
3/28/2019	<0.1
9/10/2019	
10/2/2019	
10/3/2019	0.041 (X)
3/25/2020	
3/26/2020	<0.1
8/26/2020	<0.1
8/27/2020	
10/6/2020	
10/7/2020	<0.1
3/3/2021	
3/4/2021	<0.1
9/15/2021	
9/16/2021	<0.1
1/26/2022	
1/27/2022	<0.1
8/24/2022	
8/25/2022	0.056 (J)
2/14/2023	
2/15/2023	0.05 (J)
2/16/2023	
9/19/2023	
9/20/2023	<0.1
9/21/2023	
2/27/2024	
2/28/2024	<0.1
2/29/2024	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/13/2024	
8/14/2024	
8/15/2024	<0.1
Mean	0.08819
Std. Dev.	0.02917
Upper Lim.	0.1
Lower Lim.	0.056

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-15	PZ-16	PZ-18	PZ-19	PZ-23A	PZ-33	PZ-7D
8/31/2016					<0.001		
9/1/2016	<0.001						<0.001
9/6/2016		<0.001					
9/7/2016			<0.001	<0.001			
12/7/2016	<0.001	<0.001			<0.001		<0.001
12/8/2016			<0.001	<0.001		<0.001	
3/21/2017					<0.001		
3/22/2017	5E-05 (J)	<0.001	<0.001				<0.001
3/23/2017				<0.001		9E-05 (J)	
7/11/2017		<0.001			<0.001		
7/12/2017	<0.001		<0.001	<0.001		<0.001	<0.001
10/18/2017	<0.001	<0.001	<0.001		<0.001		
10/19/2017				<0.001		<0.001	<0.001
2/20/2018					<0.001		
2/21/2018	<0.001	<0.001	0.00043 (J)	<0.001		<0.001	<0.001
7/11/2018					<0.001		
7/12/2018	<0.001	<0.001		<0.001		<0.001	<0.001
8/15/2018			<0.001				
9/13/2018	<0.001	<0.001	<0.001		<0.001		<0.001
9/14/2018				<0.001		<0.001	
10/4/2018						<0.001	
9/10/2019					<0.001		
10/2/2019	<0.001	8.1E-05 (X)					
10/3/2019			<0.001	<0.001		4.7E-05 (X)	<0.001
3/25/2020					0.00015 (J)		
3/26/2020	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001
8/26/2020	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
8/27/2020			<0.001				
10/6/2020		<0.001			4.7E-05 (J)		
10/7/2020	<0.001		4.2E-05 (J)	4.2E-05 (J)		<0.001	<0.001
3/3/2021				<0.001	5.8E-05 (J)		
3/4/2021	<0.001	<0.001	<0.001			<0.001	4.1E-05 (J)
9/15/2021	<0.001	<0.001			<0.001		
9/16/2021			<0.001	<0.001		<0.001	<0.001
1/26/2022	<0.001	<0.001			<0.001		
1/27/2022			<0.001	<0.001		<0.001	<0.001
8/24/2022						<0.001	
8/25/2022	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
2/14/2023					<0.001		
2/15/2023	<0.001	<0.001	<0.001	<0.001			<0.001
2/16/2023						<0.001	
9/19/2023		<0.001					
9/20/2023	<0.001		<0.001	<0.001	<0.001		<0.001
9/21/2023						<0.001	
2/28/2024	<0.001				<0.001		<0.001
2/29/2024		<0.001	<0.001	<0.001		<0.001	
8/14/2024	<0.001	<0.001	<0.001	<0.001	<0.001		
8/15/2024						<0.001	<0.001
Mean	0.0009525	0.0009541	0.0009236	0.0009521	0.0008628	0.0009069	0.0009521
Std. Dev.	0.0002124	0.0002055	0.0002434	0.0002142	0.0003357	0.0002868	0.0002144
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	5E-05	8.1E-05	0.00043	4.2E-05	0.00015	9E-05	4.1E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-7D
8/31/2016	<0.03					<0.03		
9/1/2016		<0.03						0.0022 (J)
9/7/2016			<0.03	<0.05	0.0082 (J)			
9/8/2016							0.0038 (J)	
12/7/2016	0.003 (J)	<0.03				<0.03		0.0023 (J)
12/8/2016			<0.03	<0.05	0.0061 (J)		0.0038 (J)	
3/21/2017	<0.03					<0.03		
3/22/2017		0.0011 (J)	0.0021 (J)	0.0029 (J)			0.0068 (J)	0.0025 (J)
3/23/2017					0.0122 (J)			
7/11/2017	<0.03					<0.03	0.0059 (J)	
7/12/2017		<0.03	0.002 (J)	0.0024 (J)	0.013 (J)			0.0033 (J)
10/18/2017	<0.03	<0.03	0.002 (J)	0.0027 (J)		<0.03	0.0057 (J)	
10/19/2017					0.013 (J)			<0.25
2/20/2018	<0.03					<0.03		
2/21/2018		<0.03	0.0022 (J)	0.0021 (J)	0.0085 (J)		0.0063 (J)	0.0034 (J)
7/11/2018	<0.03					<0.03		
7/12/2018		0.0012 (J)			0.013 (J)		0.0063 (J)	0.0038 (J)
8/15/2018				0.0027 (J)				
8/16/2018			0.0027 (J)					
9/12/2018	<0.03							
9/13/2018		0.0013 (J)		0.0029 (J)		<0.03	0.0061 (J)	0.0026 (J)
9/14/2018			0.0025 (J)		0.018 (J)			
9/10/2019						<0.03		
10/2/2019	<0.03	0.0013 (X)	0.0024 (X)				0.0074 (X)	
10/3/2019				0.0027 (X)	0.016 (X)			0.0032 (X)
3/25/2020	<0.03		0.003 (J)			0.0011 (J)	0.0066 (J)	
3/26/2020		0.0014 (J)		0.0027 (J)	0.013 (J)			0.0031 (J)
8/26/2020	<0.03	0.0013 (J)	0.0028 (J)		0.011 (J)	0.0011 (J)	0.0065 (J)	0.0023 (J)
8/27/2020				0.0025 (J)				
10/6/2020	<0.03					0.00097 (J)		
10/7/2020		0.0013 (J)	0.0029 (J)	0.003 (J)	0.013 (J)		0.0063 (J)	0.0023 (J)
3/3/2021	<0.03				0.015 (J)	0.001 (J)	0.0061 (J)	
3/4/2021		0.0014 (J)	0.002 (J)	0.0029 (J)				0.0031 (J)
9/15/2021	<0.03	0.0013 (J)				0.00085 (J)	0.0061 (J)	
9/16/2021			0.0021 (J)	0.0023 (J)	0.013 (J)			0.0025 (J)
1/26/2022	<0.03	0.0013 (J)				<0.03	0.008 (J)	
1/27/2022			0.0022 (J)	0.003 (J)	0.016 (J)			0.0039 (J)
8/24/2022							0.0073 (J)	
8/25/2022	<0.03	0.0012 (J)	0.0018 (J)	0.0033 (J)	0.012 (J)	<0.03		0.003 (J)
2/14/2023	<0.03					<0.03		
2/15/2023		0.001 (J)		0.0027 (J)	0.011 (J)		0.0057 (J)	0.0037 (J)
2/16/2023			0.0014 (J)					
9/19/2023							0.0064 (J)	
9/20/2023	<0.03	0.0014 (J)	0.0012 (J)	0.0028 (J)	0.014 (J)	0.00088 (J)		0.0023 (J)
2/27/2024							0.007 (J)	
2/28/2024		<0.03				<0.03		0.0024 (J)
2/29/2024	<0.03		<0.03	0.0054 (J)	0.012 (J)			
8/13/2024							0.0064 (J)	
8/14/2024	<0.03	<0.03		0.0041 (J)	0.012 (J)	<0.03		
8/15/2024			<0.03					0.0025 (J)
Mean	0.02865	0.01132	0.007765	0.005155	0.0125	0.02129	0.006225	0.00897
Std. Dev.	0.006037	0.01406	0.01142	0.006823	0.002768	0.01364	0.00101	0.02732

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-7D
Upper Lim.	0.03	0.03	0.003	0.0033	0.01407	0.03	0.006798	0.0034
Lower Lim.	0.003	0.0012	0.002	0.0025	0.01093	0.0011	0.005652	0.0024

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.0002						<0.0002		
9/1/2016		<0.0002							
9/6/2016			<0.0002						
9/7/2016				<0.0002	<0.0002	<0.0002			
9/8/2016								<0.0002	
12/7/2016	7E-05 (J)	<0.0002	<0.0002				9E-05 (J)		
12/8/2016				<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
3/21/2017	<0.0002						<0.0002		
3/22/2017		<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	
3/23/2017						<0.0002			<0.0002
7/11/2017	<0.0002		<0.0002				<0.0002	<0.0002	
7/12/2017		<0.0002		<0.0002	<0.0002	<0.0002			<0.0002
10/18/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	
10/19/2017						<0.0002			<0.0002
2/20/2018	<0.0002						<0.0002		
2/21/2018		9.7E-05 (J)	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)		5.3E-05 (J)	4.3E-05 (J)
7/11/2018	<0.0002						<0.0002		
7/12/2018		<0.0002	<0.0002			<0.0002		<0.0002	<0.0002
8/15/2018					<0.0002				
8/16/2018				<0.0002					
9/12/2018	<0.0002								
9/13/2018		<0.0002	<0.0002		<0.0002		<0.0002	<0.0002	
9/14/2018				<0.0002		<0.0002			4.1E-05 (J)
10/4/2018									<0.0002
8/26/2020	0.00015 (J)	<0.0002	<0.0002	<0.0002		0.0001 (J)	0.00017 (J)	<0.0002	0.00011 (J)
8/27/2020					<0.0002				
10/6/2020	<0.0002		<0.0002				<0.0002		
10/7/2020		<0.0002		<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
3/3/2021	<0.0002					<0.0002	<0.0002	<0.0002	
3/4/2021		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
9/15/2021	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	
9/16/2021				<0.0002	<0.0002	<0.0002			<0.0002
1/26/2022	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	
1/27/2022				<0.0002	<0.0002	<0.0002			<0.0002
8/24/2022									<0.0002
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
10/11/2022								<0.0002	
2/14/2023	<0.0002						<0.0002		
2/15/2023		<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	
2/16/2023				<0.0002					<0.0002
9/19/2023			<0.0002					<0.0002	
9/20/2023	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
9/21/2023									<0.0002
2/27/2024								<0.0002	
2/28/2024		<0.0002					<0.0002		
2/29/2024	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
8/13/2024								<0.0002	
8/14/2024	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
8/15/2024				<0.0002					<0.0002
Mean	0.00019	0.0001943	0.0001927	0.0001937	0.0001921	0.0001858	0.0001922	0.0001918	0.0001774
Std. Dev.	3.218E-05	2.428E-05	3.111E-05	2.687E-05	3.371E-05	4.23E-05	2.647E-05	3.465E-05	5.362E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
Lower Lim.	0.00015	9.7E-05	6.8E-05	8.6E-05	5.7E-05	0.0001	0.00017	5.3E-05	0.00011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/31/2016	
9/1/2016	<0.0002
9/6/2016	
9/7/2016	
9/8/2016	
12/7/2016	6E-05 (J)
12/8/2016	
3/21/2017	
3/22/2017	<0.0002
3/23/2017	
7/11/2017	
7/12/2017	<0.0002
10/18/2017	
10/19/2017	<0.0002
2/20/2018	
2/21/2018	5.3E-05 (J)
7/11/2018	
7/12/2018	<0.0002
8/15/2018	
8/16/2018	
9/12/2018	
9/13/2018	<0.0002
9/14/2018	
10/4/2018	
8/26/2020	<0.0002
8/27/2020	
10/6/2020	
10/7/2020	<0.0002
3/3/2021	
3/4/2021	<0.0002
9/15/2021	
9/16/2021	<0.0002
1/26/2022	
1/27/2022	<0.0002
8/24/2022	
8/25/2022	<0.0002
10/11/2022	
2/14/2023	
2/15/2023	<0.0002
2/16/2023	
9/19/2023	
9/20/2023	<0.0002
9/21/2023	
2/27/2024	
2/28/2024	<0.0002
2/29/2024	
8/13/2024	
8/14/2024	
8/15/2024	<0.0002
Mean	0.0001841
Std. Dev.	4.642E-05
Upper Lim.	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
Lower Lim.	6E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-19	PZ-23A	PZ-25
8/31/2016	<0.01					<0.01	
9/1/2016		<0.01					
9/6/2016			<0.01				
9/7/2016				<0.01	0.0027 (J)		
9/8/2016							<0.01
12/7/2016	<0.01	<0.01	<0.01			<0.01	
12/8/2016				<0.01	0.0022 (J)		<0.01
3/21/2017	0.0005 (J)					0.0006 (J)	
3/22/2017		0.0004 (J)	0.0004 (J)	0.0004 (J)			0.001 (J)
3/23/2017					0.0025 (J)		
7/11/2017	<0.01		<0.01			<0.01	<0.01
7/12/2017		<0.01		<0.01	0.0022 (J)		
10/18/2017	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
10/19/2017					0.0021 (J)		
2/20/2018	<0.01					<0.01	
2/21/2018		<0.01	<0.01	<0.01	<0.01		<0.01
7/11/2018	<0.01					<0.01	
7/12/2018		<0.01	<0.01		0.0022 (J)		<0.01
8/16/2018				<0.01			
9/12/2018	<0.01						
9/13/2018		<0.01	<0.01			<0.01	<0.01
9/14/2018				<0.01	0.0023 (J)		
9/10/2019						<0.01	
10/2/2019	<0.01	<0.01	<0.01	<0.01			<0.01
10/3/2019					0.0024 (X)		
3/25/2020	<0.01			<0.01		0.0011 (J)	<0.01
3/26/2020		<0.01	<0.01		0.0021 (J)		
8/26/2020	<0.01	<0.01	<0.01	<0.01	0.002 (J)	<0.01	<0.01
10/6/2020	<0.01		<0.01			<0.01	
10/7/2020		<0.01		<0.01	0.0019 (J)		<0.01
3/3/2021	<0.01				0.0021 (J)	<0.01	<0.01
3/4/2021		<0.01	<0.01	<0.01			
9/15/2021	<0.01	<0.01	<0.01			<0.01	<0.01
9/16/2021				<0.01	0.0021 (J)		
1/26/2022	<0.01	<0.01	<0.01			<0.01	<0.01
1/27/2022				<0.01	0.0022 (J)		
8/24/2022							<0.01
8/25/2022	<0.01	<0.01	<0.01	<0.01	0.0017 (J)	<0.01	
2/14/2023	<0.01					<0.01	
2/15/2023		<0.01	<0.01		0.0016 (J)		<0.01
2/16/2023				<0.01			
9/19/2023			<0.01				<0.01
9/20/2023	<0.01	<0.01		<0.01	0.0019 (J)	<0.01	
2/27/2024							<0.01
2/28/2024		<0.01				<0.01	
2/29/2024	<0.01		<0.01	<0.01	0.0018 (J)		
8/13/2024							<0.01
8/14/2024	<0.01	<0.01	<0.01		0.0023 (J)	<0.01	
8/15/2024				<0.01			
Mean	0.009525	0.00952	0.00952	0.00952	0.002265	0.009085	0.00955
Std. Dev.	0.002124	0.002147	0.002147	0.002147	0.0006953	0.002817	0.002012
Upper Lim.	0.01	0.01	0.01	0.01	0.0023	0.01	0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-19	PZ-23A	PZ-25
Lower Lim.	0.0005	0.0004	0.0004	0.0004	0.0019	0.0011	0.001

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-19	PZ-23A	PZ-7D
8/31/2016	0.0012 (J)			0.0014 (J)	
9/1/2016		<0.005			<0.005
9/7/2016			<0.01		
12/7/2016	<0.005	<0.005		<0.01	<0.005
12/8/2016			<0.01		
3/21/2017	<0.005			<0.01	
3/22/2017		<0.005			<0.005
3/23/2017			<0.01		
7/11/2017	<0.005			<0.01	
7/12/2017		<0.005	<0.01		<0.005
10/18/2017	<0.005	<0.005		<0.01	
10/19/2017			<0.01		<0.005
2/20/2018	<0.005			<0.01	
2/21/2018		<0.005	<0.01		<0.005
7/11/2018	<0.005			<0.01	
7/12/2018		<0.005	<0.01		<0.005
9/12/2018	<0.005				
9/13/2018		<0.005		<0.01	<0.005
9/14/2018			0.0015 (J)		
9/10/2019				0.0018 (X)	
10/2/2019	0.0015 (X)	<0.005			
10/3/2019			0.0034 (X)		0.0017 (X)
3/25/2020	<0.005			0.003 (J)	
3/26/2020		<0.005	0.0016 (J)		<0.005
8/26/2020	<0.005	0.0018 (J)	0.0031 (J)	0.0026 (J)	0.0018 (J)
10/6/2020	<0.005			0.0027 (J)	
10/7/2020		<0.005	0.0035 (J)		<0.005
3/3/2021	<0.005		0.0033 (J)	0.0025 (J)	
3/4/2021		<0.005			0.0018 (J)
9/15/2021	<0.005	<0.005		0.0024 (J)	
9/16/2021			0.0033 (J)		<0.005
1/26/2022	<0.005	<0.005		0.0023 (J)	
1/27/2022			0.005		0.0018 (J)
8/25/2022	<0.005	<0.005	0.0019 (J)	0.0023 (J)	0.0017 (J)
2/14/2023	<0.005			0.0015 (J)	
2/15/2023		<0.005	0.0036 (J)		0.0017 (J)
9/20/2023	<0.005	<0.005	0.0024 (J)	0.0023 (J)	0.0015 (J)
2/28/2024		<0.005		0.0018 (J)	0.0019 (J)
2/29/2024	<0.005		0.0043 (J)		
8/14/2024	<0.005	<0.005	0.0053	0.0019 (J)	
8/15/2024					0.0011 (J)
Mean	0.004635	0.00484	0.00561	0.004925	0.0035
Std. Dev.	0.001124	0.0007155	0.003437	0.00384	0.001708
Upper Lim.	0.005	0.005	0.003674	0.01	0.005
Lower Lim.	0.0015	0.0018	0.002316	0.0019	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.001						<0.001		
9/1/2016		<0.001							
9/6/2016			<0.001						
9/7/2016				<0.001	<0.001	<0.001			
9/8/2016								<0.001	
12/7/2016	<0.001	<0.001	<0.001				0.0002 (J)		
12/8/2016				<0.001	<0.001	0.0003 (J)		<0.001	<0.001
3/21/2017	6E-05 (J)						0.0003 (J)		
3/22/2017		<0.001	0.0002 (J)	<0.001	4E-05 (J)			<0.001	
3/23/2017						0.0003 (J)			0.0001 (J)
7/11/2017	<0.001		0.0002 (J)				0.0002 (J)	<0.001	
7/12/2017		<0.001		<0.001	<0.001	0.0004 (J)			0.0001 (J)
10/18/2017	<0.001	<0.001	0.0002 (J)	<0.001	5E-05 (J)		0.0001 (J)	<0.001	
10/19/2017						0.0005 (J)			0.0001 (J)
2/20/2018	<0.001						0.00026 (J)		
2/21/2018		<0.001	0.00018 (J)	<0.001	<0.001	0.00049 (J)		<0.001	<0.001
7/11/2018	<0.001						0.00018 (J)		
7/12/2018		<0.001	<0.001			0.00077 (J)		<0.001	<0.001
8/15/2018					<0.001				
8/16/2018				<0.001					
9/12/2018	<0.001								
9/13/2018		<0.001	0.00017 (J)		<0.001		<0.001	<0.001	
9/14/2018				<0.001		0.00076 (J)			<0.001
10/4/2018									<0.001
9/10/2019							<0.001		
10/2/2019	<0.001	0.00016 (X)	5.3E-05 (X)	0.00016 (X)				0.00024 (X)	
10/3/2019					<0.001	0.00071 (X)			0.00018 (X)
3/25/2020	<0.001			0.0002 (J)			0.00015 (J)	0.00037 (J)	
3/26/2020		0.00014 (J)	<0.001		7.1E-05 (J)	0.00068 (J)			0.00015 (J)
8/26/2020	<0.001	0.00027 (J)	<0.001	0.00025 (J)		0.00056 (J)	0.00016 (J)	0.00037 (J)	<0.001
8/27/2020					<0.001				
10/6/2020	<0.001		<0.001				<0.001		
10/7/2020		0.00022 (J)		0.00022 (J)	<0.001	0.0007 (J)		0.00027 (J)	<0.001
3/3/2021	<0.001					0.00072 (J)	0.00017 (J)	0.00036 (J)	
3/4/2021		0.00022 (J)	<0.001	0.00039 (J)	<0.001				<0.001
9/15/2021	<0.001	0.0002 (J)	<0.001				<0.001	0.00066 (J)	
9/16/2021				0.00034 (J)	<0.001	0.00066 (J)			<0.001
1/26/2022	<0.001	<0.001	<0.001				<0.001	0.00039 (J)	
1/27/2022				0.00038 (J)	<0.001	0.00063 (J)			<0.001
8/24/2022								0.00048 (J)	<0.001
8/25/2022	<0.001	<0.001	<0.001	0.00037 (J)	<0.001	0.00053 (J)	<0.001		
2/14/2023	<0.001						<0.001		
2/15/2023		<0.001	<0.001		<0.001	0.00051 (J)		0.00045 (J)	
2/16/2023				0.00038 (J)					<0.001
9/19/2023			<0.001					0.00061 (J)	
9/20/2023	<0.001	<0.001		0.00024 (J)	<0.001	0.00052 (J)	<0.001		
9/21/2023									<0.001
2/27/2024								0.00065 (J)	
2/28/2024		<0.001					<0.001		
2/29/2024	<0.001		<0.001	<0.001	<0.001	0.0005 (J)			<0.001
8/13/2024								0.0008 (J)	
8/14/2024	<0.001	<0.001	<0.001		<0.001	0.00045 (J)	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-14	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19	PZ-23A	PZ-25	PZ-33
8/15/2024				<0.001					<0.001
Mean	0.000953	0.0007605	0.0007502	0.0006465	0.0008581	0.0005595	0.000636	0.0006825	0.0007815
Std. Dev.	0.0002102	0.0003761	0.0003927	0.0003677	0.0003467	0.0001404	0.0004147	0.0002967	0.0003887
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0006392	0.001	0.001	0.001
Lower Lim.	6E-05	0.00022	0.0002	0.00025	7.1E-05	0.0004798	0.00018	0.00037	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/31/2016	
9/1/2016	<0.001
9/6/2016	
9/7/2016	
9/8/2016	
12/7/2016	<0.001
12/8/2016	
3/21/2017	
3/22/2017	0.0002 (J)
3/23/2017	
7/11/2017	
7/12/2017	0.0001 (J)
10/18/2017	
10/19/2017	0.0001 (J)
2/20/2018	
2/21/2018	<0.001
7/11/2018	
7/12/2018	<0.001
8/15/2018	
8/16/2018	
9/12/2018	
9/13/2018	<0.001
9/14/2018	
10/4/2018	
9/10/2019	
10/2/2019	
10/3/2019	7.8E-05 (X)
3/25/2020	
3/26/2020	8.5E-05 (J)
8/26/2020	<0.001
8/27/2020	
10/6/2020	
10/7/2020	<0.001
3/3/2021	
3/4/2021	<0.001
9/15/2021	
9/16/2021	<0.001
1/26/2022	
1/27/2022	<0.001
8/24/2022	
8/25/2022	<0.001
2/14/2023	
2/15/2023	<0.001
2/16/2023	
9/19/2023	
9/20/2023	<0.001
9/21/2023	
2/27/2024	
2/28/2024	<0.001
2/29/2024	
8/13/2024	
8/14/2024	

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 2/7/2025 11:37 AM View: Appendix IV - Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell Ash Pond CCR

	PZ-7D
8/15/2024	<0.001
Mean	0.0007782
Std. Dev.	0.0003949
Upper Lim.	0.001
Lower Lim.	0.0002

ND substitution: RL or RL/2 if <15% NDs.

MARCH 2025 EVENT

GROUNDWATER STATS CONSULTING

July 31, 2025

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Mitchell Ash Pond
March 2025 Semi-Annual Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical analysis of groundwater data for Georgia Power Company's Plant Mitchell Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells except for downgradient well PZ-57 which was first sampled in January 2022. Semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

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

- **Upgradient wells:** PZ-1D, PZ-2D, PZ-31, and PZ-32
- **Downgradient wells:** PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33, and PZ-57

Note that well PZ-23 was abandoned and was replaced with well PZ-23A which was first sampled in March 2020. Since new well PZ-23A was installed in close proximity to well PZ-23, the data from the two wells were combined. Additionally, downgradient well PZ-57 has been sampled seven times since installation in January 2022. Data for this well are plotted on time series and box plots, and formal statistics are conducted when a minimum of 8 samples is available for Appendix III and IV constituents.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician of Groundwater Stats Consulting. In 2024, Georgia Power Company completed a data audit and migration of all CCR related groundwater data to the EarthSoft EQuIS Database Management Program (EQuIS). Data were then exported from EQuIS to Groundwater Stats Consulting (GSC) for use in completing this statistical analysis. Georgia Power Company contracted an independent third-party consultant, Environmental Resources Management (ERM), to support the data audit and migration to EQuIS. Based on the results of the audit and statistical analysis results from GSC, EQuIS will now be used by Georgia Power Company and its third-party geologists and engineers for management of data imported by independent third-party laboratories and data exported by Georgia Power Company and its Consultants. The data will be used in preparation of report submittals, modeling, strategic planning, and other purposes appropriate and consistent with EQuIS's data management and reporting tools and capabilities.

The Coal Combustion Residuals (CCR) program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

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

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects since 2016 for Appendix IV constituents follows this letter. When the reporting limit was higher than the CCR-rule specified levels discussed below, non-detects were substituted with one half the reporting limit.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the

box plots provide visual representation of variation within both individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening report to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Appendix III and IV Parameters:

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

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Initial Background Screening – Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified, and the reports were submitted with the screening. In cases where the most recent value was identified as an outlier, values were not flagged in the database at that time as they may represent a future trend. If future values do not remain at similar concentrations, these values may be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the

laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the values identified by Tukey's method, only a few of these values were flagged in the database as outliers since all other values were similar to remaining measurements within a given well or neighboring wells or were non-detects.

When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be visual, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends, and the reports were submitted with the screening. 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, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses were included with the previous screening and showed one statistically significant decreasing trend for chloride at well PZ-25. This trend was relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data set.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for boron and fluoride, making these constituents eligible for interwell analyses. Variation was noted for calcium, chloride, pH, sulfate, and TDS. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Background Update Conducted in 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 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 and visual screening (Figure C), Tukey's test identified an elevated observation for fluoride at upgradient well PZ-2D; however, this observation was not flagged in the database as the measurement appeared to be representative of remaining observations among pooled upgradient concentrations and would not drastically change resulting limits if flagged. Since the previously flagged measurement of calcium at upgradient well PZ-1D was not identified by Tukey's test, the value was unflagged during this analysis.

Additionally, concentrations among downgradient wells were also re-assessed with visual screening using time series plots. Although higher than remaining concentrations within its respective well, the flagged value for barium at downgradient well PZ-33 was unflagged as it is lower than the respective Maximum Containment Level (MCL) of 2 mg/L and has minimal impact on the resulting confidence interval. Similarly, the highest relative values for pH and TDS at downgradient well PZ-33 were also unflagged since downgradient observations have no bearing on resulting statistical limits for interwell prediction limits, which are constructed using pooled upgradient well data.

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.

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:

- Calcium: PZ-32

Decreasing:

- Chloride: PZ-31
- pH: PZ-2D
- Sulfate: PZ-2D and PZ-31

Appendix IV

Increasing:

- None

Decreasing:

- Barium: PZ-1D, PZ-2D, PZ-31, and PZ-32
- Chromium: PZ-1D

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.

Statistical Analysis of Appendix III Parameters – March 2025 Sample Event

All Appendix III parameters were analyzed using interwell prediction limits. As mentioned above, background (upgradient) well data were reassessed using time series for potential outliers during this analysis. No values were flagged as outliers. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the time series graphs.

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2025 (Figure E). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The March 2025 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the

exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and, therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the interwell prediction limits follows this letter. The following interwell prediction limit exceedances were noted for the Appendix III parameters:

- Boron: PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, and PZ-33
- Calcium: PZ-18, PZ-19, and PZ-23A
- Chloride: PZ-15 and PZ-16
- pH (lower limit): PZ-19 and PZ-23A
- Sulfate: PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, and PZ-33
- TDS: PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, and PZ-33

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report. Statistically significant trends were identified for the following downgradient and associated upgradient well/constituent pairs:

Increasing:

- Calcium: PZ-32 (upgradient) and PZ-18
- Sulfate: PZ-14

Decreasing:

- Boron: PZ-7D, PZ-17, and PZ-25
- Chloride: PZ-31 (upgradient), PZ-15, and PZ-16
- pH: PZ-2D (upgradient)
- Sulfate: PZ-2D (upgradient), PZ-31 (upgradient), PZ-7D, PZ-16, PZ-17, PZ-19, PZ-25, and PZ-33
- TDS: PZ-7D and PZ-33

Statistical Analysis of Appendix IV Parameters – March 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient well/constituent pairs containing 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. No values were flagged as outliers.

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through March 2025 for each Appendix IV constituent (Figure G). Parametric limits are constructed when data follow a normal or transformed-normal distribution with a target of 95% confidence and 95% coverage, such as the case for barium and combined radium 226 + 228. When data contain greater than 50% non-detects or do not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure H).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents using data through March 2025 in accordance with the state requirements in each downgradient well (Figure I). As mentioned above, well/constituent pairs containing 100% non-detects did not require analysis. All downgradient wells contained 100% non-detects for beryllium; therefore, this constituent was not analyzed with confidence intervals.

Confidence intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. No exceedances were identified, and summaries and graphical results of the confidence intervals analyses follow this letter.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. Since no confidence interval exceedances were identified, no trend tests were required.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Mitchell Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

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Summary Tables

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100% Non-Detects: Appendix IV Downgradient

Analysis Run 4/28/2025 4:05 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

Arsenic (mg/L)
PZ-18

Beryllium (mg/L)
PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33

Cadmium (mg/L)
PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-25

Chromium (mg/L)
PZ-17, PZ-25

Cobalt (mg/L)
PZ-7D

Lead (mg/L)
PZ-17

Lithium (mg/L)
PZ-33

Molybdenum (mg/L)
PZ-7D, PZ-18, PZ-33

Selenium (mg/L)
PZ-16, PZ-17, PZ-25, PZ-33

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**PZ-1D (bg)**	**-0.002219**	**-155**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-2D (bg)**	**-0.0003957**	**-93**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-31 (bg)**	**-0.0009549**	**-116**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-32 (bg)**	**-0.0003456**	**-93**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**PZ-1D (bg)**	**-0.0003335**	**-121**	**-71**	**Yes**	**22**	**13.64**	**n/a**	**0.05**	**NP**

Appendix III Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 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)	PZ-7D	0.02674	n/a	3/13/2025	0.18	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-15	0.02674	n/a	3/13/2025	0.2	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02674	n/a	3/12/2025	0.2	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02674	n/a	3/12/2025	0.079	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02674	n/a	3/12/2025	0.41	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02674	n/a	3/12/2025	0.66	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02674	n/a	3/13/2025	0.14	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02674	n/a	3/12/2025	0.19	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02674	n/a	3/13/2025	0.34	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.6	n/a	3/12/2025	142	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.6	n/a	3/12/2025	137	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.6	n/a	3/13/2025	137	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	5	n/a	3/13/2025	5.6	Yes	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-16	5	n/a	3/12/2025	6.1	Yes	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-19	9.71	6.96	3/12/2025	6.74	Yes	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-23A	9.71	6.96	3/13/2025	6.79	Yes	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-7D	6.1	n/a	3/13/2025	34.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-14	6.1	n/a	3/12/2025	13.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.1	n/a	3/13/2025	72.6	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.1	n/a	3/12/2025	37.8	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.1	n/a	3/12/2025	31.5	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.1	n/a	3/12/2025	89.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.1	n/a	3/12/2025	79.8	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.1	n/a	3/13/2025	33.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.1	n/a	3/12/2025	35.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.1	n/a	3/13/2025	31.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	308.4	n/a	3/13/2025	316	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	308.4	n/a	3/13/2025	329	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	308.4	n/a	3/12/2025	328	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	308.4	n/a	3/12/2025	475	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	308.4	n/a	3/12/2025	538	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	308.4	n/a	3/13/2025	435	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	308.4	n/a	3/13/2025	323	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 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)	**PZ-7D**	**0.02674**	**n/a**	**3/13/2025**	**0.18**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	PZ-14	0.02674	n/a	3/12/2025	0.029J	No	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	**PZ-15**	**0.02674**	**n/a**	**3/13/2025**	**0.2**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-16**	**0.02674**	**n/a**	**3/12/2025**	**0.2**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-17**	**0.02674**	**n/a**	**3/12/2025**	**0.079**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-18**	**0.02674**	**n/a**	**3/12/2025**	**0.41**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-19**	**0.02674**	**n/a**	**3/12/2025**	**0.66**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-23A**	**0.02674**	**n/a**	**3/13/2025**	**0.14**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-25**	**0.02674**	**n/a**	**3/12/2025**	**0.19**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-33**	**0.02674**	**n/a**	**3/13/2025**	**0.34**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-7D	109.6	n/a	3/13/2025	95.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	109.6	n/a	3/12/2025	100	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.6	n/a	3/13/2025	92.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.6	n/a	3/12/2025	93.4	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.6	n/a	3/12/2025	74.6	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	**PZ-18**	**109.6**	**n/a**	**3/12/2025**	**142**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-19**	**109.6**	**n/a**	**3/12/2025**	**137**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-23A**	**109.6**	**n/a**	**3/13/2025**	**137**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-25	109.6	n/a	3/12/2025	90.7	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.6	n/a	3/13/2025	97.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	5	n/a	3/13/2025	3.1	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-14	5	n/a	3/12/2025	4.6	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**PZ-15**	**5**	**n/a**	**3/13/2025**	**5.6**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-16**	**5**	**n/a**	**3/12/2025**	**6.1**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	PZ-17	5	n/a	3/12/2025	1.8	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-18	5	n/a	3/12/2025	4.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-19	5	n/a	3/12/2025	4.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-23A	5	n/a	3/13/2025	3.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-25	5	n/a	3/12/2025	1.8	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-33	5	n/a	3/13/2025	3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	3/12/2025	0.055J	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	3/12/2025	0.13	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-7D	9.71	6.96	3/13/2025	7.12	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-14	9.71	6.96	3/12/2025	7.11	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-15	9.71	6.96	3/13/2025	7.16	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-16	9.71	6.96	3/12/2025	7.18	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-17	9.71	6.96	3/12/2025	7.38	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-18	9.71	6.96	3/12/2025	6.96	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	**PZ-19**	**9.71**	**6.96**	**3/12/2025**	**6.74**	**Yes**	**97**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004113**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**PZ-23A**	**9.71**	**6.96**	**3/13/2025**	**6.79**	**Yes**	**97**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004113**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	PZ-25	9.71	6.96	3/12/2025	7.12	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-33	9.71	6.96	3/13/2025	7.07	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**PZ-7D**	**6.1**	**n/a**	**3/13/2025**	**34.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-14**	**6.1**	**n/a**	**3/12/2025**	**13.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-15**	**6.1**	**n/a**	**3/13/2025**	**72.6**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-16**	**6.1**	**n/a**	**3/12/2025**	**37.8**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-17**	**6.1**	**n/a**	**3/12/2025**	**31.5**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 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)	**PZ-18**	**6.1**	**n/a**	**3/12/2025**	**89.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-19**	**6.1**	**n/a**	**3/12/2025**	**79.8**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-23A**	**6.1**	**n/a**	**3/13/2025**	**33.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-25**	**6.1**	**n/a**	**3/12/2025**	**35.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-33**	**6.1**	**n/a**	**3/13/2025**	**31.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-7D**	**308.4**	**n/a**	**3/13/2025**	**316**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-14	308.4	n/a	3/12/2025	304	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-15**	**308.4**	**n/a**	**3/13/2025**	**329**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-16**	**308.4**	**n/a**	**3/12/2025**	**328**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-17	308.4	n/a	3/12/2025	252	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-18**	**308.4**	**n/a**	**3/12/2025**	**475**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-19**	**308.4**	**n/a**	**3/12/2025**	**538**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-23A**	**308.4**	**n/a**	**3/13/2025**	**435**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-25	308.4	n/a	3/12/2025	298	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-33**	**308.4**	**n/a**	**3/13/2025**	**323**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	**PZ-7D**	**-0.0239**	**-156**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-17**	**-0.02919**	**-124**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-25**	**-0.00505**	**-100**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**3.925**	**139**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2167**	**-131**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.259**	**-137**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.537**	**-139**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.605**	**163**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-16**	**-1.889**	**-152**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.827**	**-143**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-19**	**-1.725**	**-127**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-25**	**-1.977**	**-170**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.25**	**-194**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**PZ-7D**	**-9.482**	**-106**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**PZ-33**	**-23.5**	**-105**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	PZ-1D (bg)	0.0005092	47	87	No	21	9.524	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.0005749	-51	-87	No	21	4.762	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	14	87	No	21	28.57	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	5	87	No	21	9.524	n/a	0.01	NP
Boron (mg/L)	**PZ-7D**	**-0.0239**	**-156**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-15	-0.002538	-54	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	-5	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**PZ-17**	**-0.02919**	**-124**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-18	0.002606	34	87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.0175	-63	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003383	-77	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**PZ-25**	**-0.00505**	**-100**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-33	-0.007683	-81	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	0.9353	72	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	0.2416	12	87	No	21	4.762	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	1.197	74	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**3.925**	**139**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-19	0	4	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	0.5566	20	87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	PZ-1D (bg)	-0.03938	-61	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.0216	-42	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-32 (bg)	-0.08189	-81	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	**PZ-15**	**-0.2167**	**-131**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.259**	**-137**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	PZ-1D (bg)	-0.01706	-93	-98	No	23	0	n/a	0.01	NP
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	PZ-31 (bg)	-0.00277	-14	-105	No	24	0	n/a	0.01	NP
pH, Field (SU)	PZ-32 (bg)	0.002821	20	111	No	25	0	n/a	0.01	NP
pH, Field (SU)	PZ-19	0.01017	44	105	No	24	0	n/a	0.01	NP
pH, Field (SU)	PZ-23A	0.006759	45	98	No	23	0	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)	-0.04431	-47	-87	No	21	4.762	n/a	0.01	NP
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-32 (bg)	-0.05457	-76	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-7D**	**-2.537**	**-139**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.605**	**163**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-15	-0.3585	-12	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-16**	**-1.889**	**-152**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.827**	**-143**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-18	-0.5006	-44	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-19**	**-1.725**	**-127**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-23A	1.676	62	87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-25**	**-1.977**	**-170**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.25**	**-194**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	PZ-1D (bg)	2.87	57	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	0	-1	-92	No	22	0	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	0.4086	16	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	3.51	85	92	No	22	0	n/a	0.01	NP
TDS (mg/L)	**PZ-7D**	**-9.482**	**-106**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	PZ-15	3.319	57	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-16	4.642	65	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-18	6.022	87	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-19	-2.148	-14	-87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-23A	3.258	69	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	**PZ-33**	**-23.5**	**-105**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:41 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	88	n/a	n/a	57.95	n/a	n/a	0.01096	NP Inter(NDs)
Arsenic (mg/L)	0.005	80	n/a	n/a	87.5	n/a	n/a	0.01652	NP Inter(NDs)
Barium (mg/L)	0.04205	88	-4.487	0.677	1.136	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.0005	72	n/a	n/a	97.22	n/a	n/a	0.02489	NP Inter(NDs)
Cadmium (mg/L)	0.0005	72	n/a	n/a	98.61	n/a	n/a	0.02489	NP Inter(NDs)
Chromium (mg/L)	0.011	88	n/a	n/a	29.55	n/a	n/a	0.01096	NP Inter(normality)
Cobalt (mg/L)	0.005	88	n/a	n/a	96.59	n/a	n/a	0.01096	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.552	88	0.7089	0.2757	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.29	92	n/a	n/a	48.91	n/a	n/a	0.008924	NP Inter(normality)
Lead (mg/L)	0.001	88	n/a	n/a	82.95	n/a	n/a	0.01096	NP Inter(NDs)
Lithium (mg/L)	0.03	88	n/a	n/a	79.55	n/a	n/a	0.01096	NP Inter(NDs)
Mercury (mg/L)	0.0002	80	n/a	n/a	92.5	n/a	n/a	0.01652	NP Inter(NDs)
Molybdenum (mg/L)	0.01	88	n/a	n/a	78.41	n/a	n/a	0.01096	NP Inter(NDs)
Selenium (mg/L)	0.005	88	n/a	n/a	100	n/a	n/a	0.01096	NP Inter(NDs)
Thallium (mg/L)	0.001	88	n/a	n/a	90.91	n/a	n/a	0.01096	NP Inter(NDs)

PLANT MITCHELL ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.042	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.011	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.55	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	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*

Appendix IV Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-7D	0.003	0.00089	0.006	No	22	0.002541	0.001001	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	22	0.002763	0.0007665	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	22	0.002801	0.0006471	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	22	0.00288	0.0005607	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	22	0.002585	0.0009044	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.004	0.0018	0.006	No	22	0.002802	0.0007119	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	22	0.002884	0.0005458	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	22	0.00271	0.000778	86.36	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-25	0.003	0.0014	0.006	No	22	0.002927	0.0003411	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	22	0.002781	0.0007111	90.91	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7D	0.005	0.0012	0.01	No	20	0.00481	0.0008497	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	20	0.004791	0.0009324	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	20	0.004379	0.001518	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-16	0.005	0.00036	0.01	No	20	0.004768	0.001038	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	20	0.004356	0.001573	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	20	0.004785	0.0009615	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00089	0.01	No	20	0.004562	0.001349	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.0017	0.01	No	20	0.004202	0.001649	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.0013	0.01	No	20	0.004397	0.001476	85	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-7D	0.008553	0.006501	2	No	22	0.007709	0.002182	0	None	ln(x)	0.01	Param.
Barium (mg/L)	PZ-14	0.02581	0.01534	2	No	22	0.02172	0.01233	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-15	0.059	0.048	2	No	22	0.05714	0.0135	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.043	0.034	2	No	22	0.041	0.01169	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07587	0.06379	2	No	22	0.06983	0.01125	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	22	0.02873	0.01147	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05658	0.05132	2	No	22	0.05395	0.004905	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04585	0.03615	2	No	22	0.04146	0.009764	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	22	0.1058	0.008173	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.06855	0.04683	2	No	22	0.06068	0.02718	0	None	ln(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	18	0.0004667	0.00009701	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	18	0.0004778	0.00009428	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002036	0.0009522	0.1	No	22	0.003786	0.003551	22.73	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	PZ-14	0.005	0.0013	0.1	No	22	0.003154	0.001907	50	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-15	0.005	0.00048	0.1	No	22	0.004795	0.0009637	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.0011	0.1	No	22	0.003025	0.002029	50	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00081	0.1	No	22	0.004608	0.00127	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	22	0.004806	0.0009104	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.00216	0.001388	0.1	No	22	0.0026	0.001353	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	22	0.00485	0.0007036	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	22	0.00465	0.001163	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0012	0.006	No	22	0.004	0.001893	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	22	0.004795	0.0009594	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0011	0.006	No	22	0.003801	0.002008	72.73	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	22	0.004823	0.0008315	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	22	0.004641	0.001163	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.0008	0.006	No	22	0.003993	0.001903	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.00177	0.001225	0.006	No	22	0.001498	0.0005077	9.091	None	No	0.01	Param.
Cobalt (mg/L)	PZ-33	0.005	0.0041	0.006	No	22	0.003992	0.001816	72.73	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6345	0.3155	5	No	22	0.475	0.2972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8115	0.3312	5	No	22	0.6326	0.5082	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.036	0.733	5	No	22	0.921	0.3541	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.7947	0.4595	5	No	22	0.6271	0.3123	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.031	0.6142	5	No	22	0.8226	0.3883	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	0.9633	0.4529	5	No	22	0.7081	0.4754	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.211	0.7338	5	No	22	0.9723	0.4442	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.189	0.6375	5	No	22	0.9135	0.5141	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.095	0.7172	5	No	22	0.9063	0.3523	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.8971	0.5447	5	No	22	0.7209	0.3283	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7D	0.1	0.09	4	No	23	0.08922	0.02802	69.57	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-14	0.11	0.07	4	No	23	0.09161	0.02207	69.57	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results (No Significant)

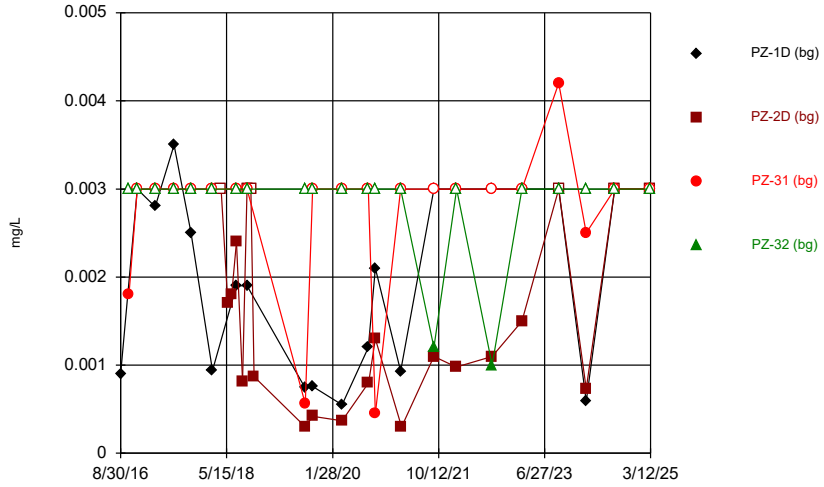
Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-15	0.101	0.06295	4	No	23	0.09822	0.0426	34.78	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.058	4	No	23	0.08583	0.02282	65.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1101	0.06103	4	No	23	0.1102	0.05644	34.78	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.086	4	No	23	0.09961	0.02973	65.22	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.14	0.065	4	No	23	0.105	0.06778	8.696	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.1	0.066	4	No	23	0.09574	0.05023	43.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2051	0.141	4	No	23	0.1783	0.0686	0	None	x^(1/3)	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.082	4	No	23	0.1007	0.03693	56.52	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	22	0.0009564	0.0002045	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-14	0.001	0.000064	0.015	No	22	0.0009575	0.0001996	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	22	0.0009568	0.0002025	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	22	0.0009582	0.0001959	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	22	0.0009305	0.0002326	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	22	0.0009565	0.0002042	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	22	0.0008752	0.0003219	86.36	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-25	0.001	0.00041	0.015	No	22	0.0009732	0.0001258	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	22	0.0009153	0.0002742	90.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-7D	0.0033	0.0023	0.04	No	22	0.008384	0.02605	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	22	0.02746	0.008226	90.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.00121	0.04	No	22	0.01041	0.0137	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-16	0.03	0.0013	0.04	No	22	0.0287	0.006119	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-17	0.0029	0.002	0.04	No	22	0.007219	0.011	18.18	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0026	0.04	No	22	0.005068	0.006515	9.091	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01408	0.01116	0.04	No	22	0.01262	0.002723	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	22	0.02076	0.01384	68.18	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006945	0.005787	0.04	No	22	0.006366	0.001078	0	None	No	0.01	Param.
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	20	0.0001856	0.00004418	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	20	0.000191	0.00003059	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	20	0.0001948	0.00002303	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	20	0.0001934	0.00002952	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	20	0.0001943	0.00002549	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	20	0.0001928	0.00003198	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	20	0.0001872	0.00004025	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	20	0.000193	0.00002515	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.00018	0.002	No	21	0.000192	0.00003216	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	20	0.0001797	0.00005119	85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	22	0.009568	0.002025	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0024	0.002	0.1	No	22	0.002382	0.0008835	9.091	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	22	0.009168	0.002693	90.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.0014	0.1	No	22	0.0092	0.00259	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	22	0.003636	0.001684	59.09	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	22	0.004668	0.001075	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	22	0.004855	0.0006822	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-18	0.005	0.0014	0.05	No	22	0.004836	0.0007675	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.01	0.0031	0.05	No	22	0.005655	0.003487	36.36	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.01	0.0019	0.05	No	22	0.004655	0.003756	31.82	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-7D	0.001	0.0002	0.002	No	22	0.0007568	0.0004072	72.73	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	22	0.0009573	0.0002004	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.00022	0.002	No	22	0.0007468	0.00038	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.0002	0.002	No	22	0.00073	0.0004061	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	22	0.0006118	0.0003682	45.45	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	22	0.0008287	0.000372	81.82	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006299	0.0004864	0.002	No	22	0.0005582	0.0001337	4.545	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00018	0.002	No	22	0.0006309	0.0004155	54.55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-25	0.001	0.00039	0.002	No	22	0.0006755	0.0002867	36.36	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00018	0.002	No	22	0.0007636	0.0003955	72.73	None	No	0.01	NP (NDs)

FIGURE A.

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Hollow symbols indicate censored values.

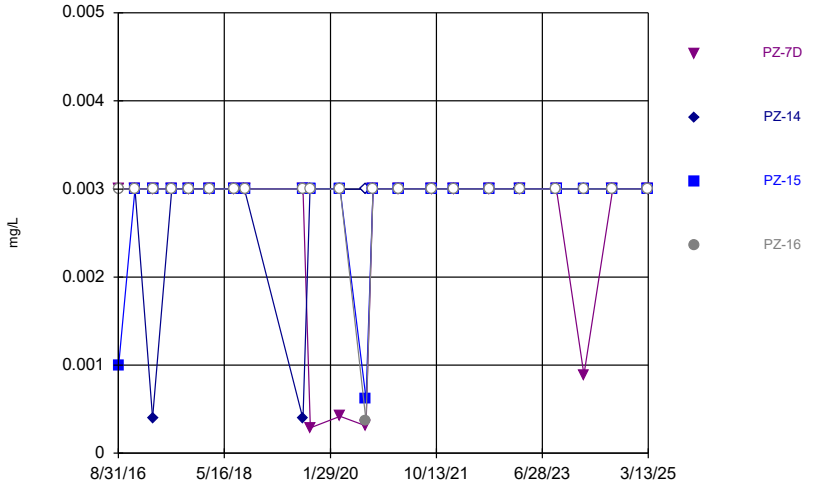
Time Series



Constituent: Antimony Analysis Run 6/19/2025 3:22 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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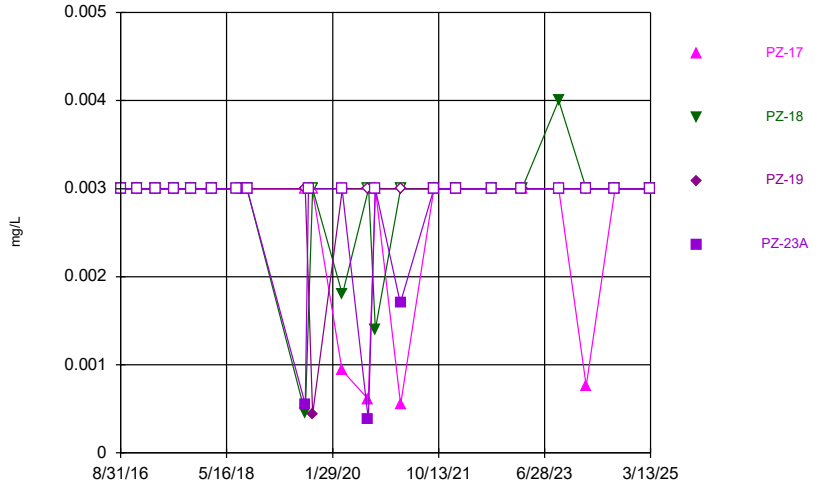
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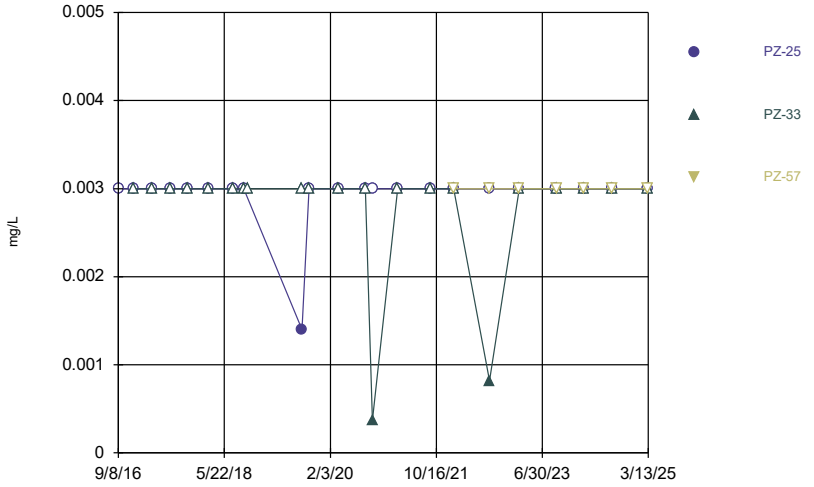
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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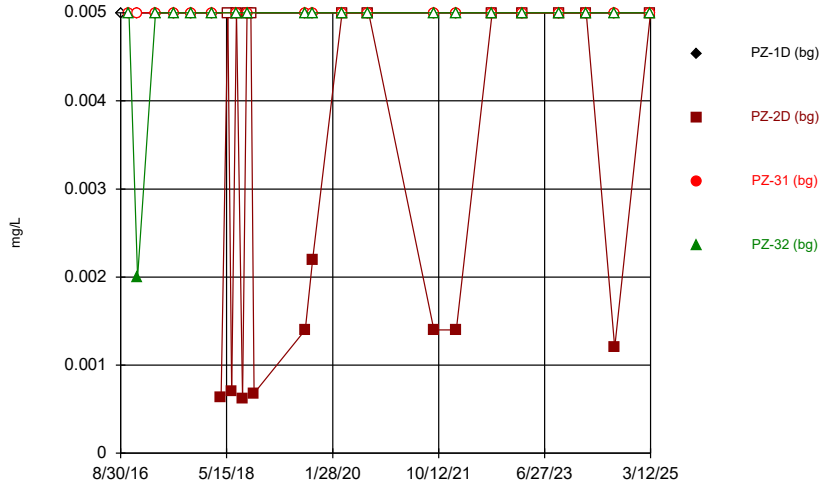
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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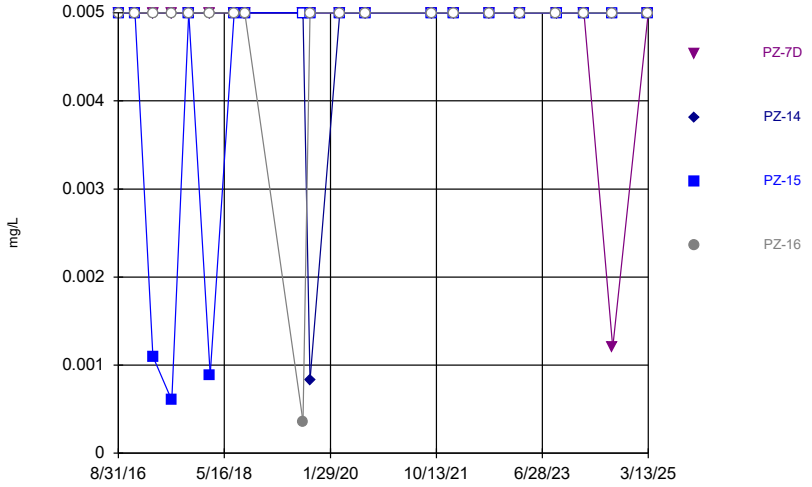
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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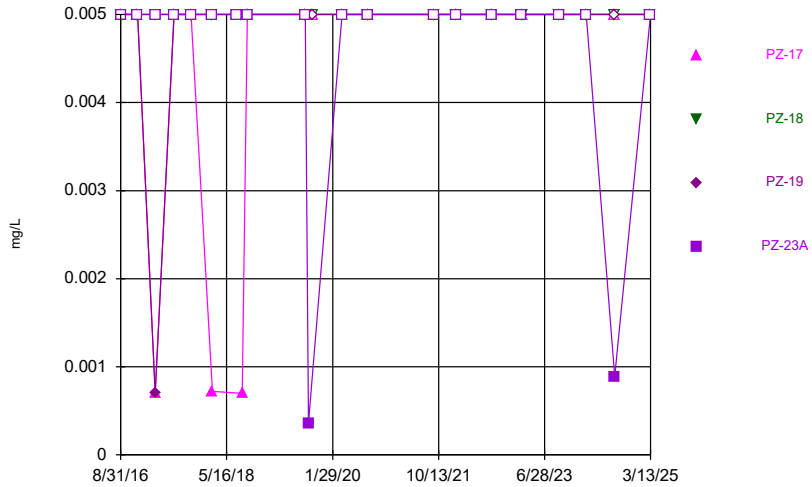
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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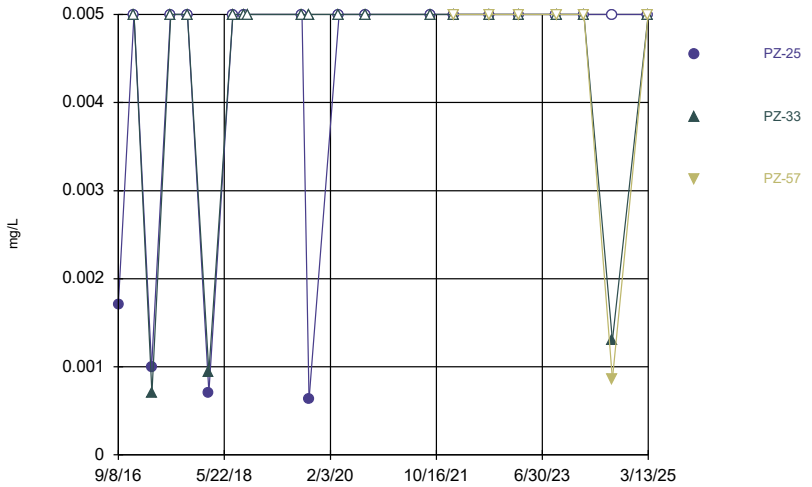
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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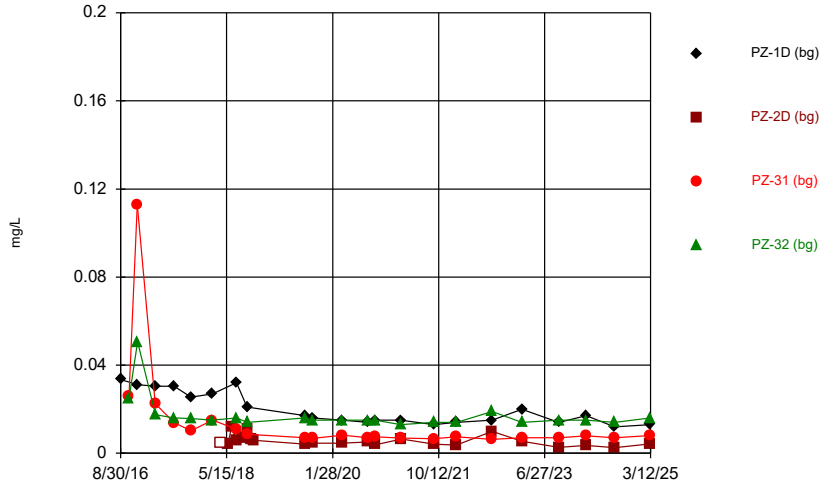
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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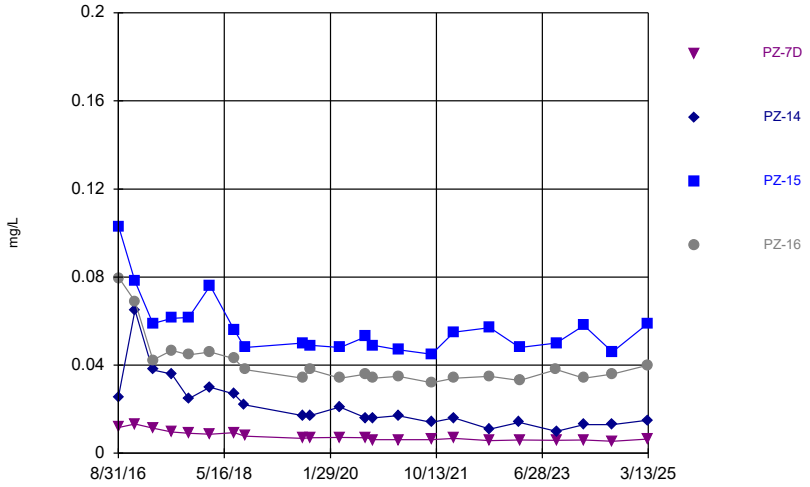
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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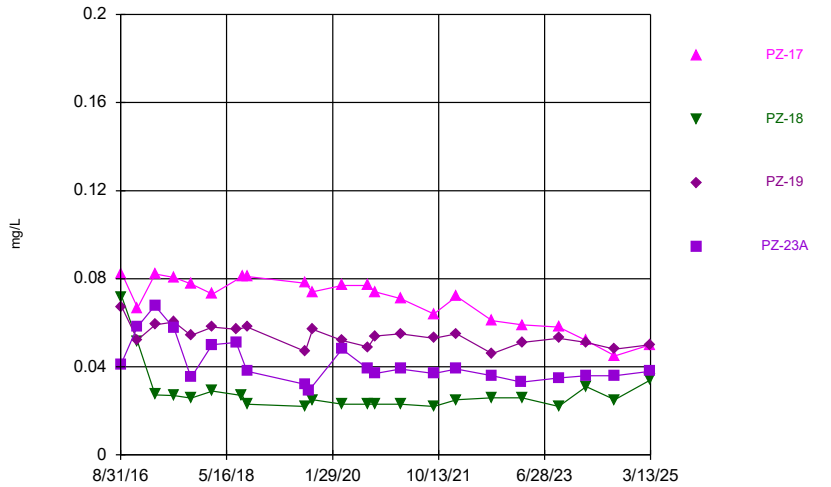
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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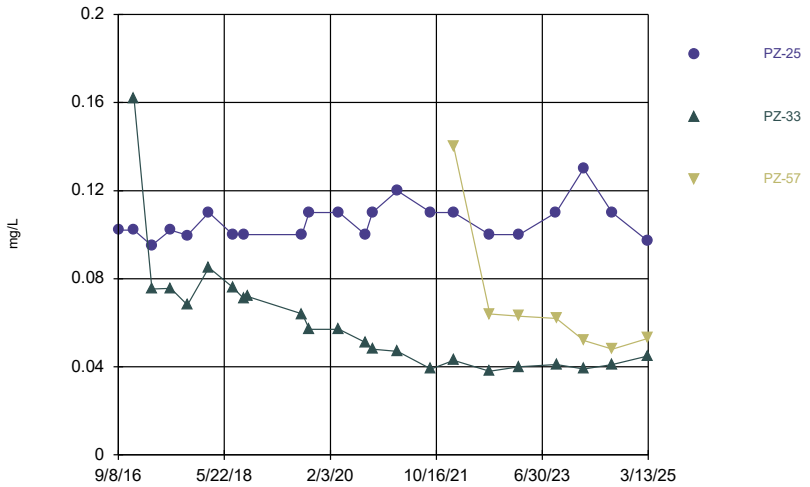
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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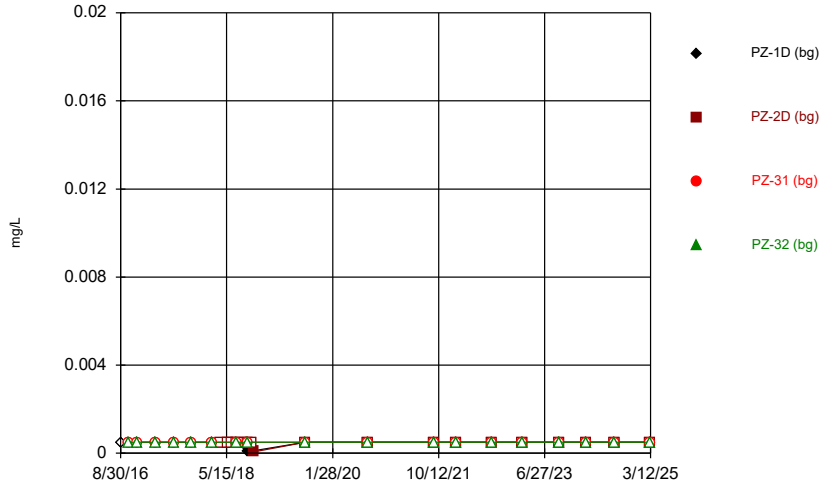
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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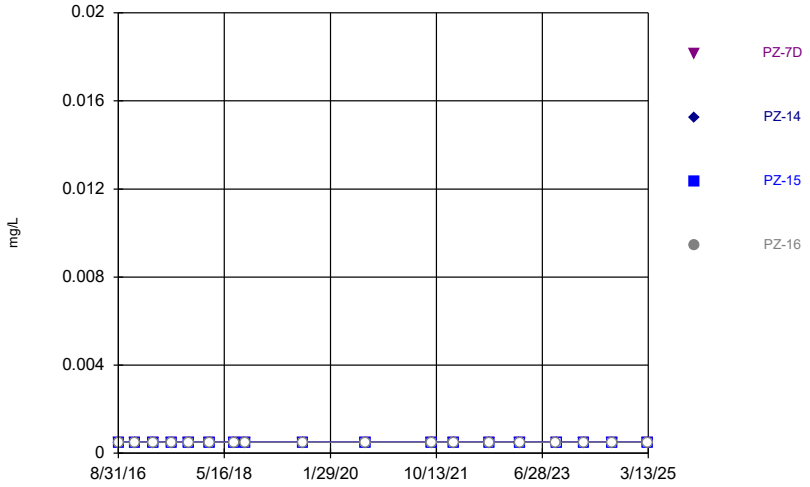
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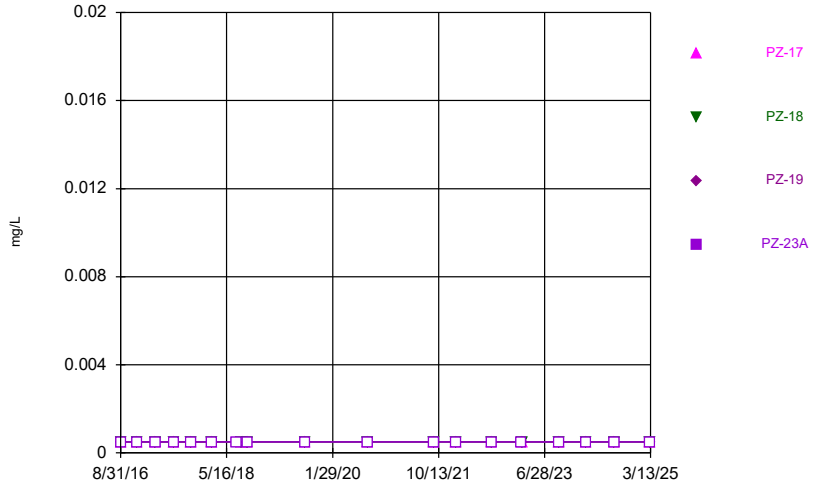
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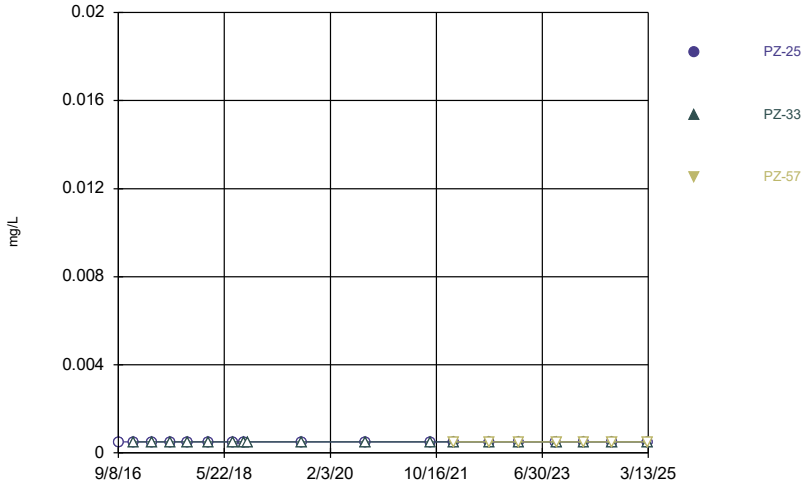
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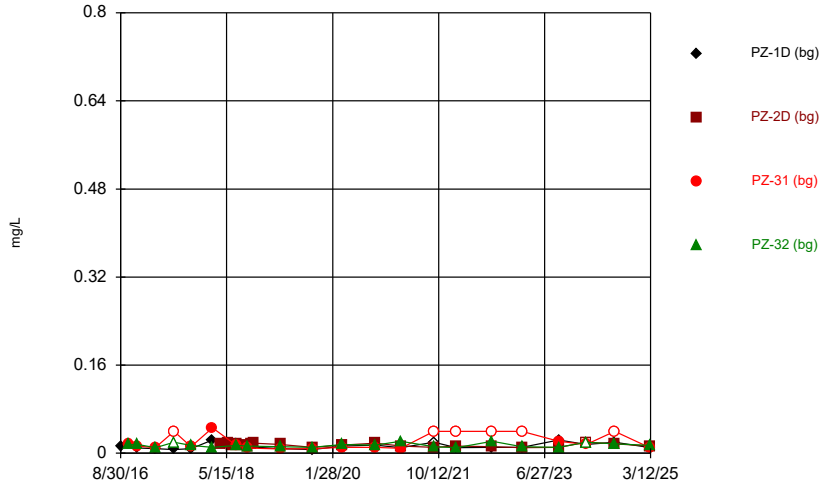
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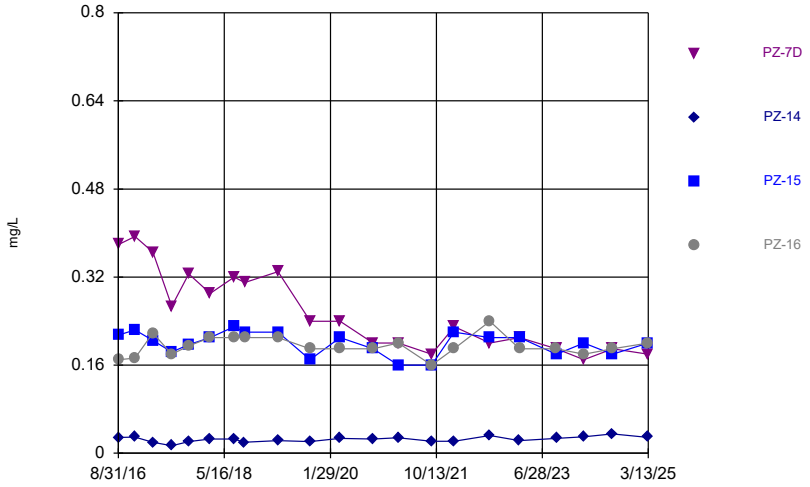
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Plant Mitchell Client: Southern Company Data: Mitchell AP

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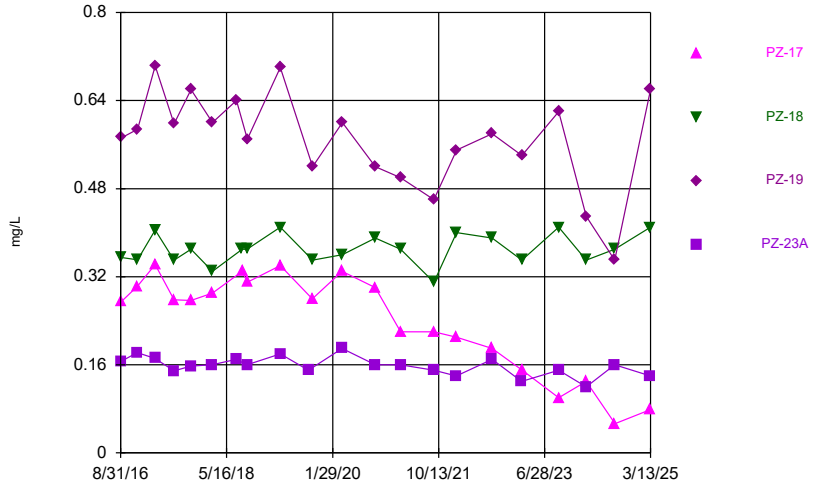
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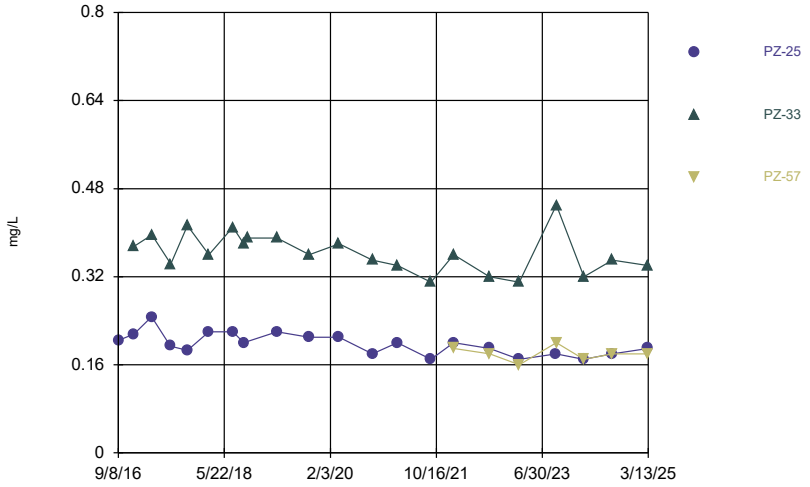
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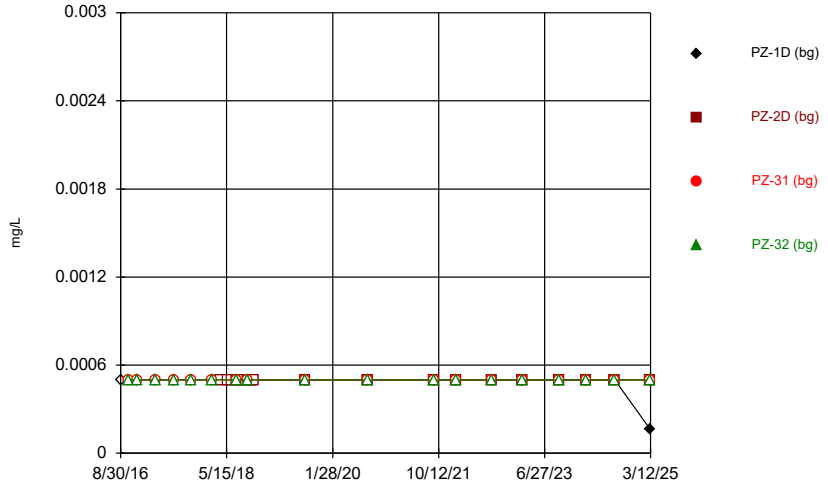
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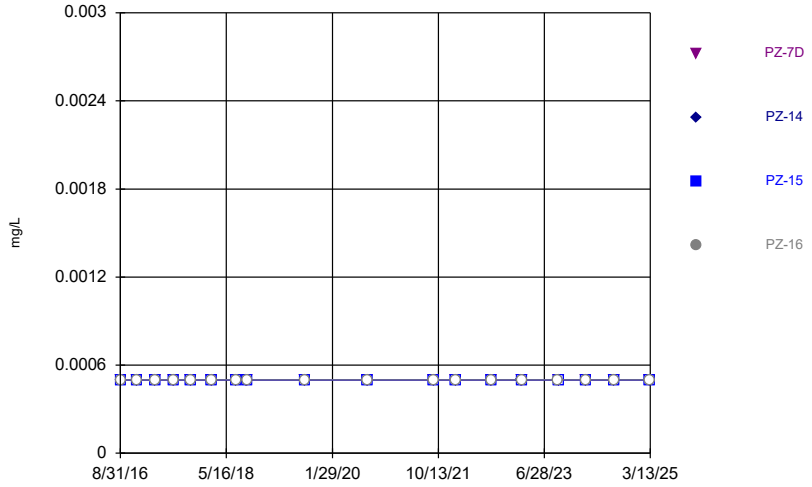
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Constituent: Cadmium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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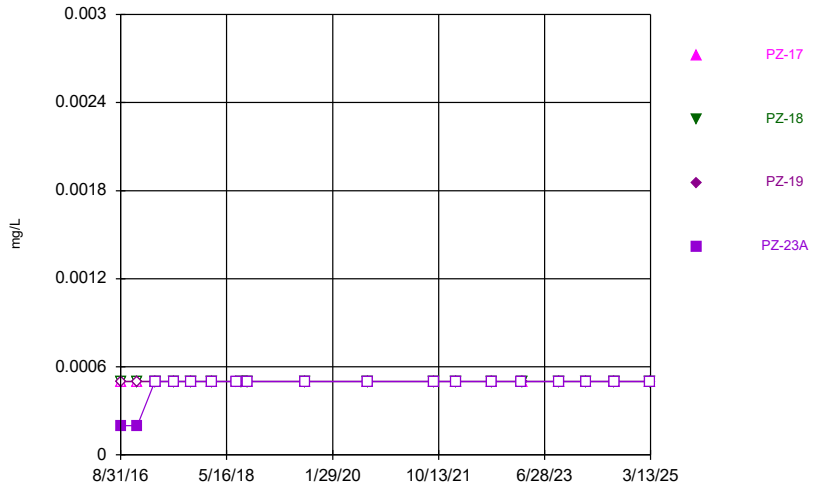
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Constituent: Cadmium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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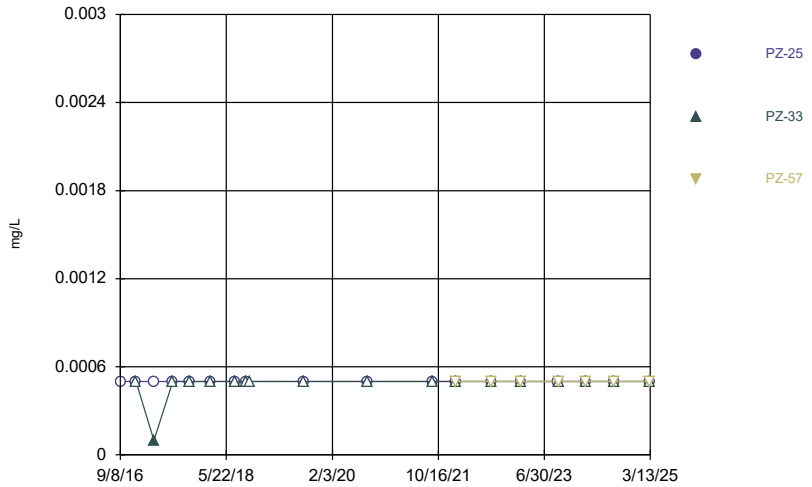
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Constituent: Cadmium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

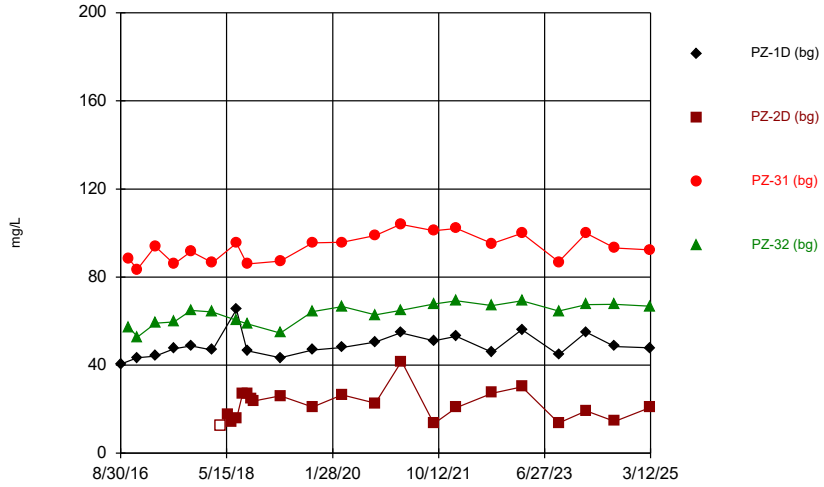
Time Series



Constituent: Cadmium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

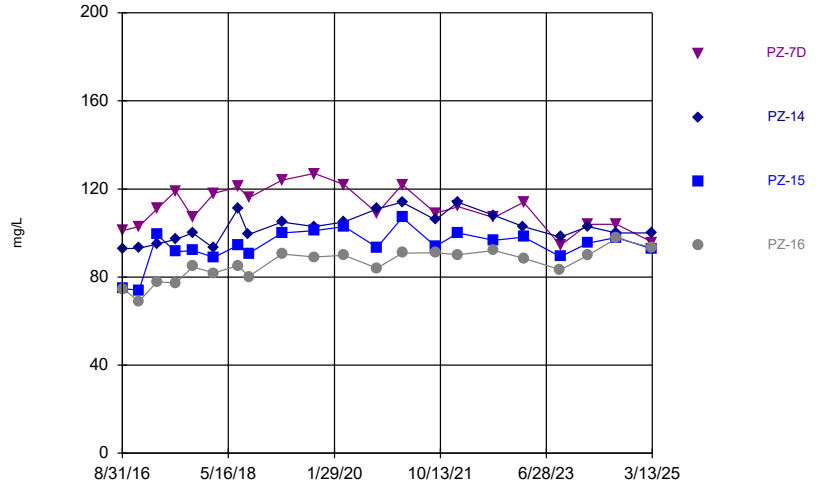
Time Series



Constituent: Calcium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

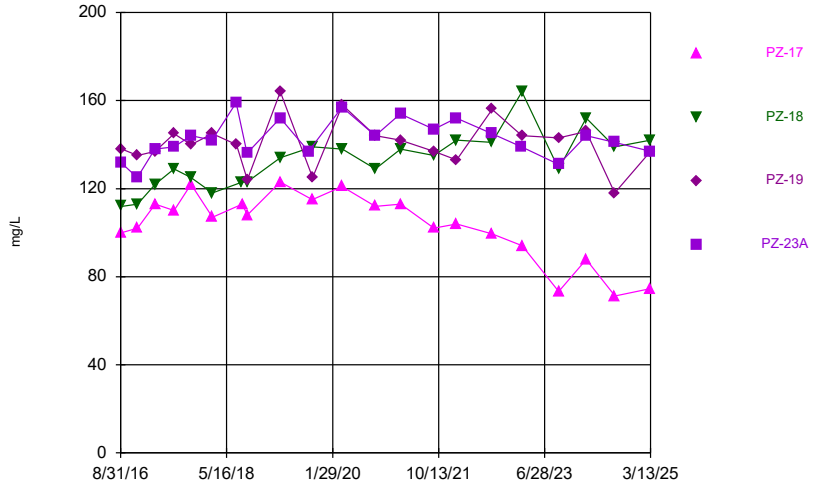
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

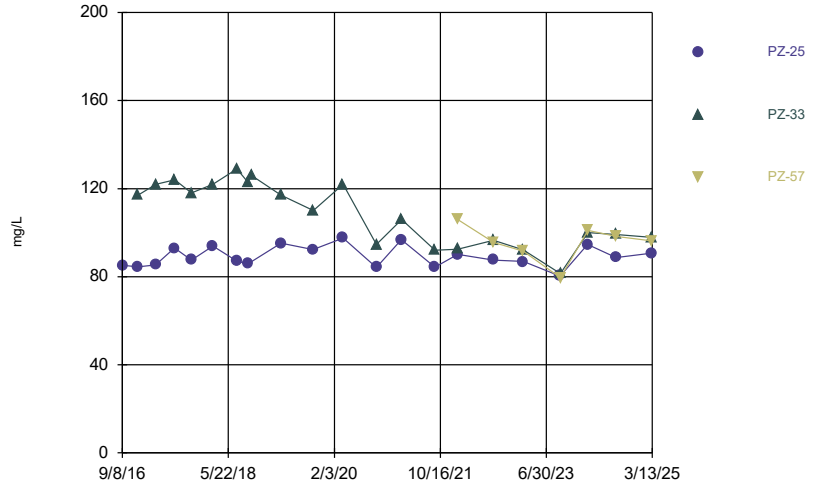
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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

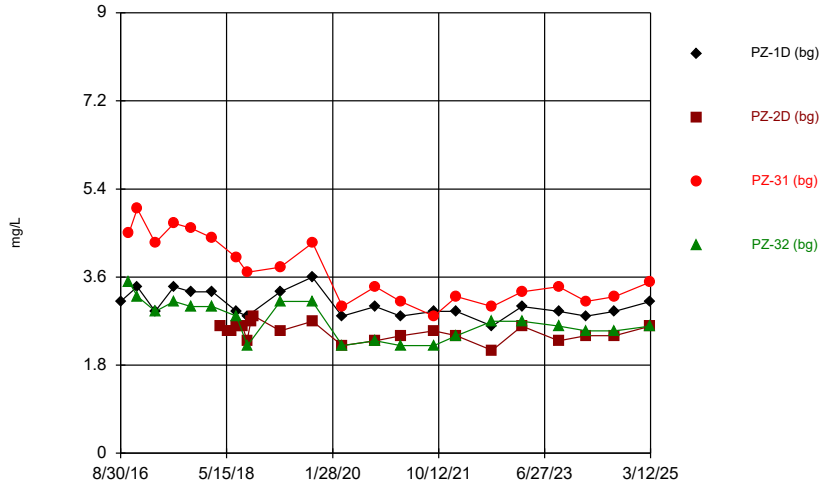
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

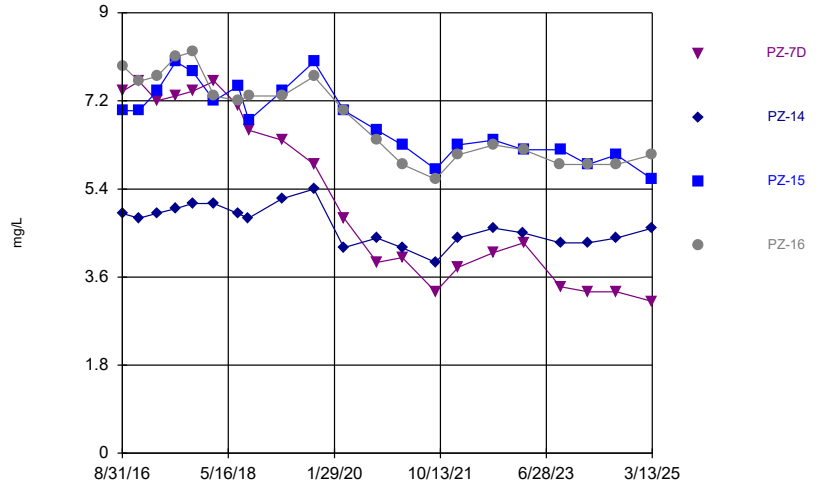
Time Series



Constituent: Chloride Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

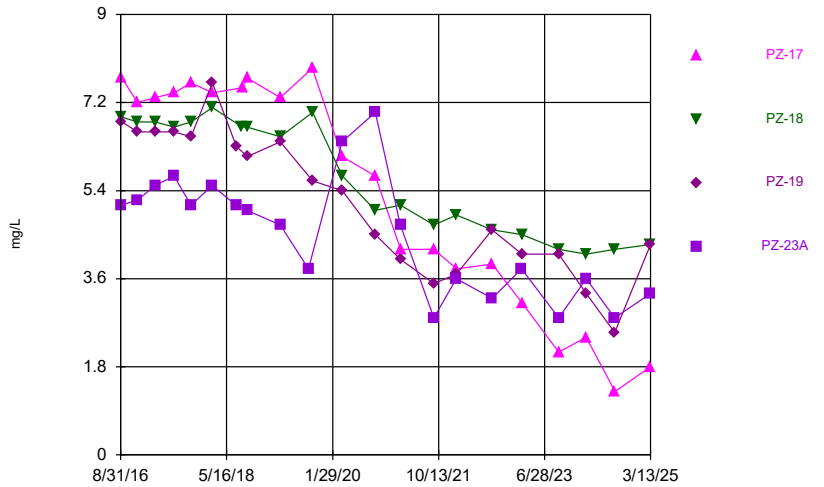
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

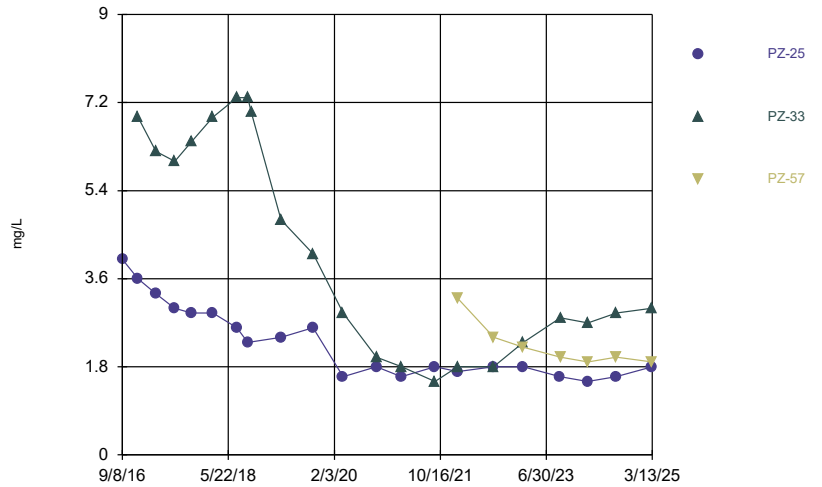
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

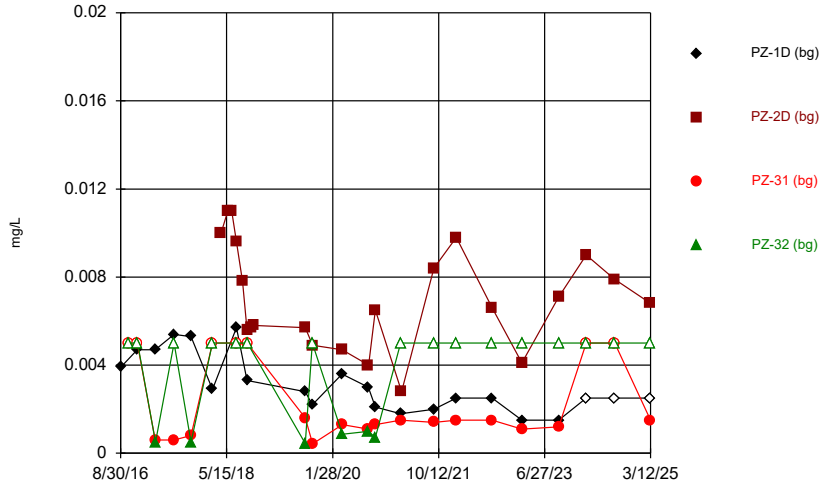
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

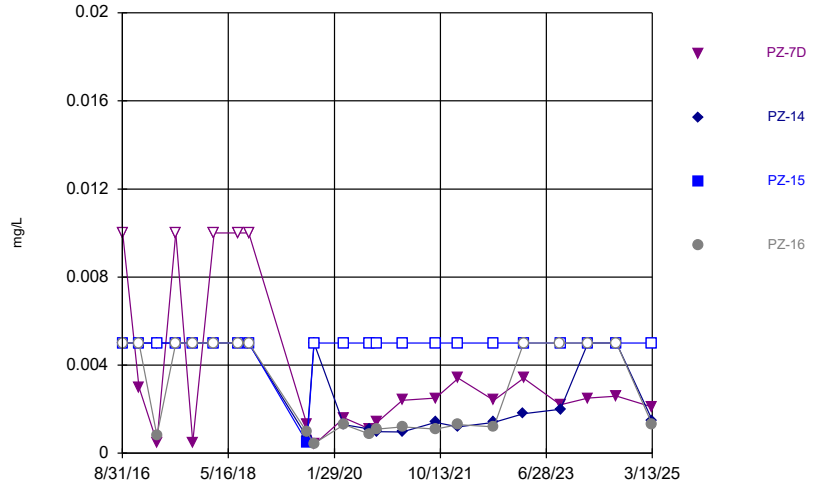
Time Series



Constituent: Chromium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

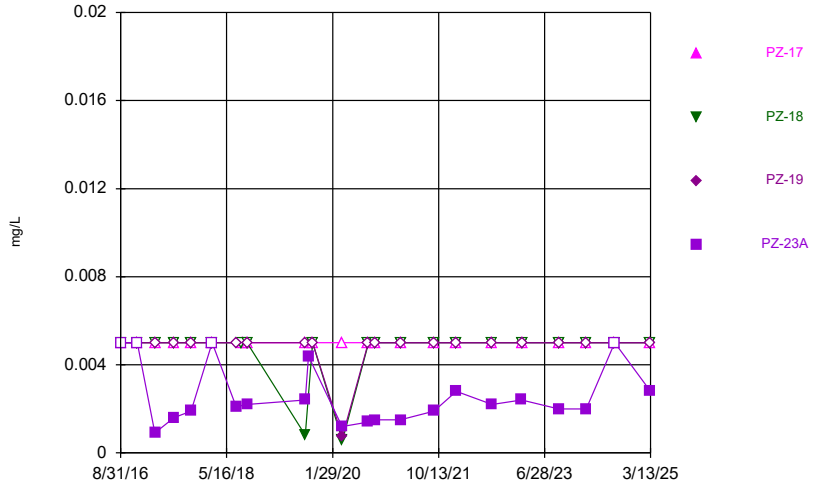
Time Series



Constituent: Chromium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

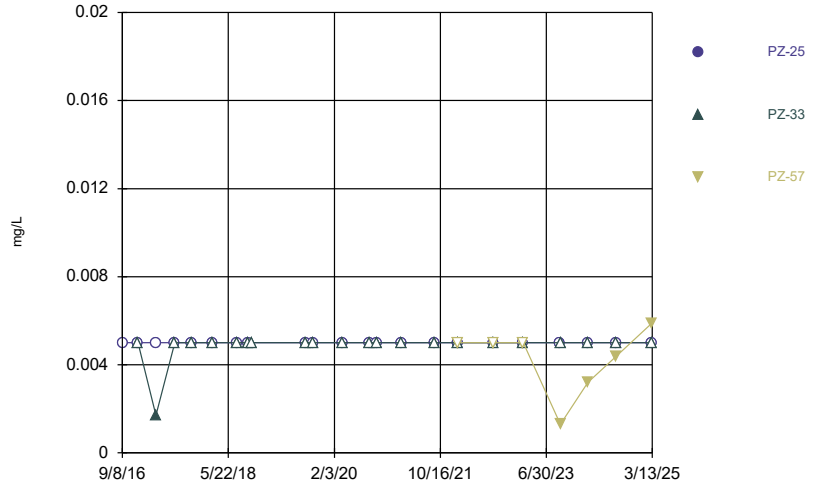
Time Series



Constituent: Chromium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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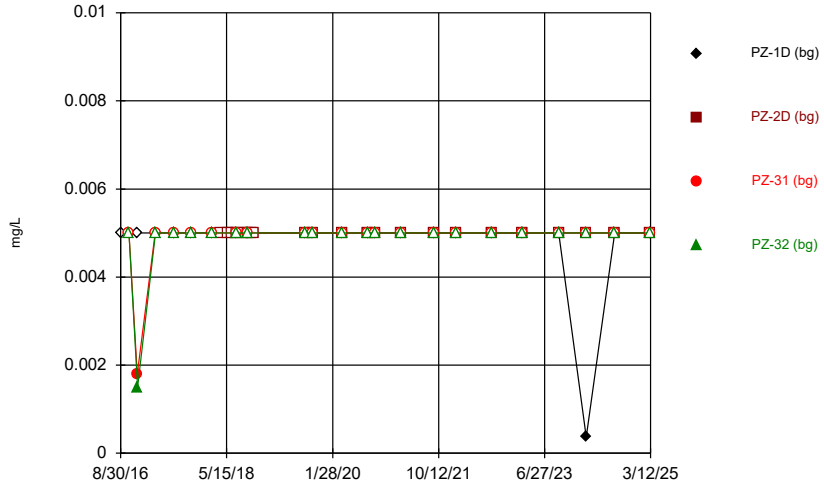
Time Series



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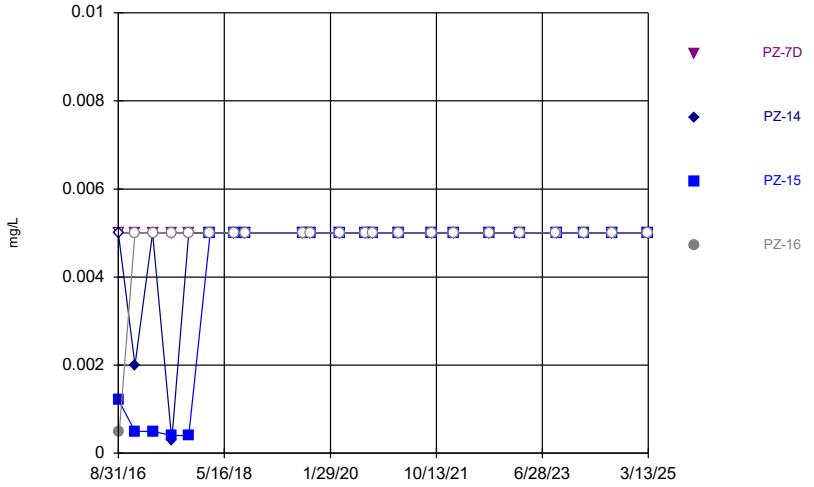
Time Series



Constituent: Cobalt Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

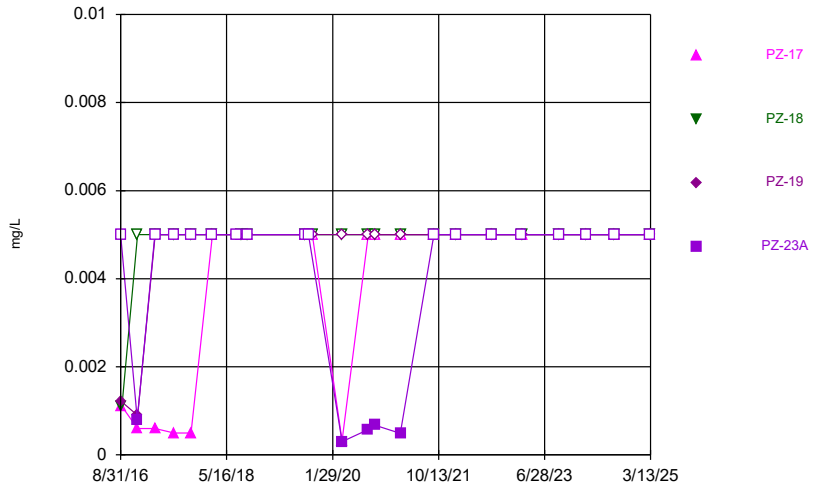
Time Series



Constituent: Cobalt Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

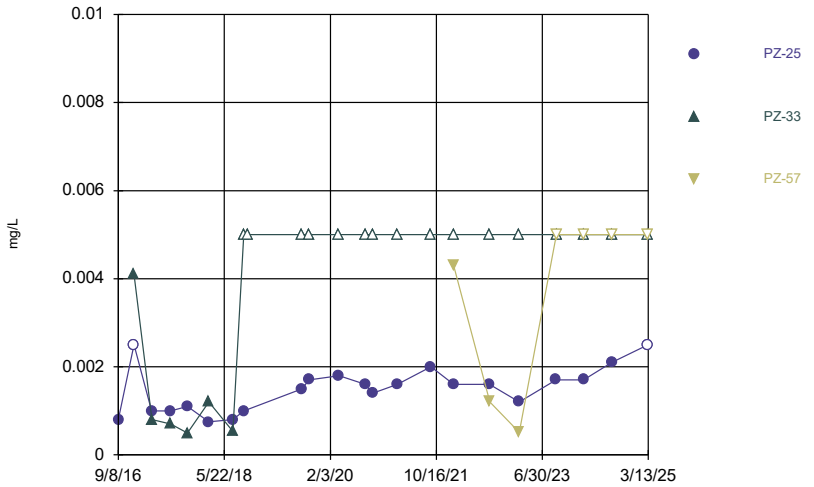
Time Series



Constituent: Cobalt Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

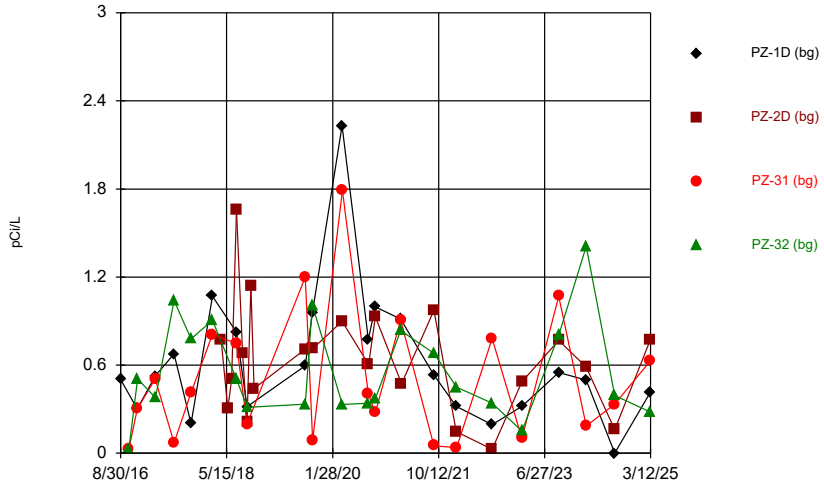
Time Series



Constituent: Cobalt Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

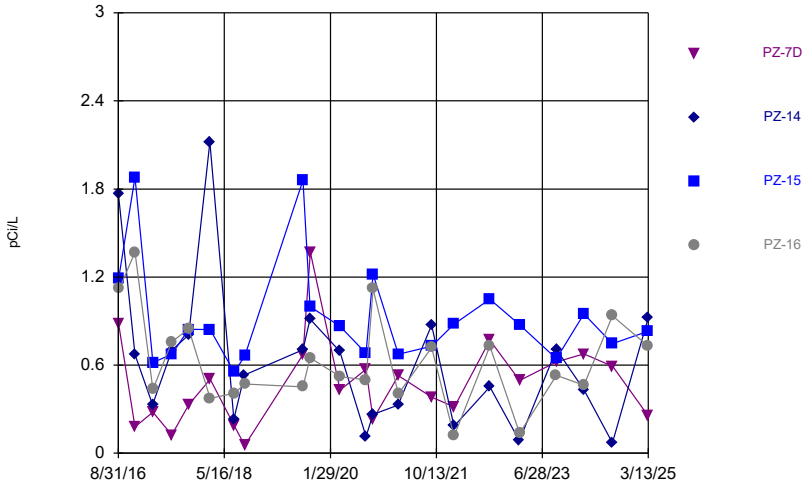
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

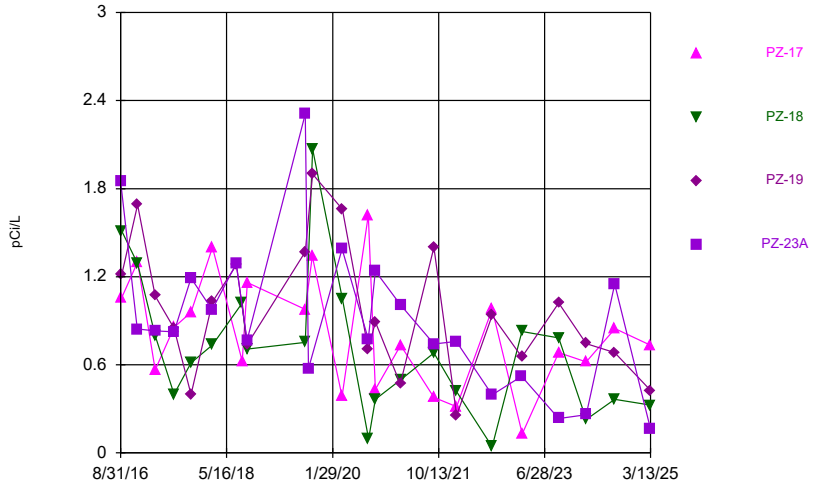
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

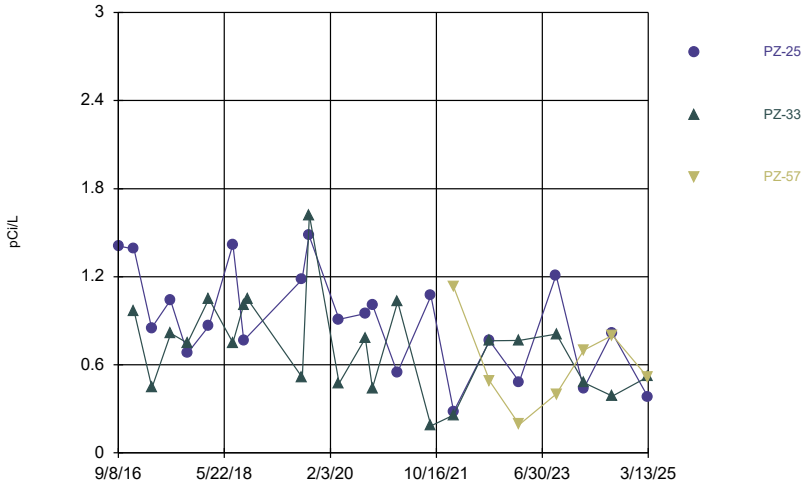
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

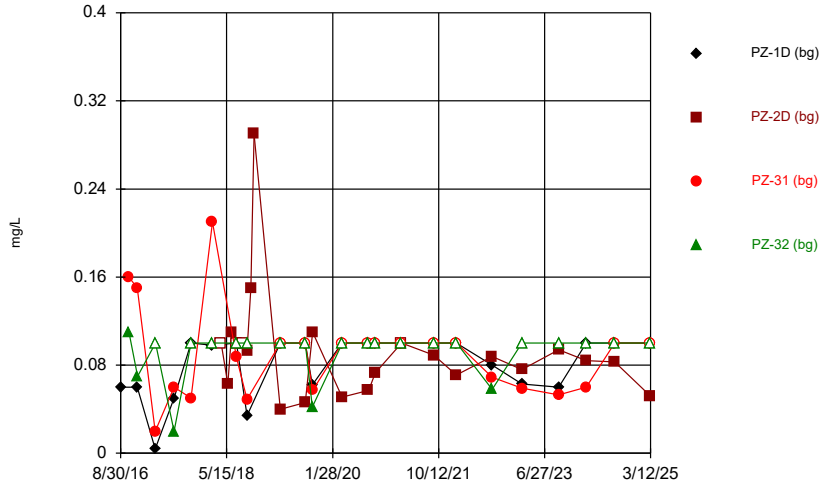
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

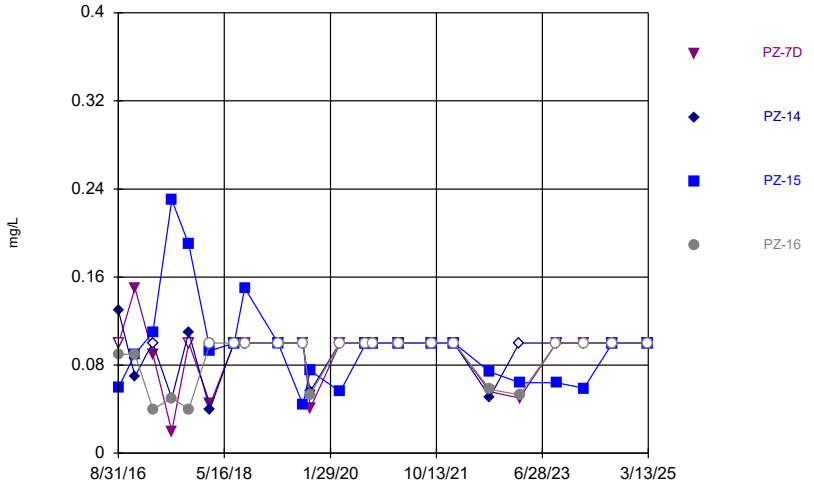
Time Series



Constituent: Fluoride Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

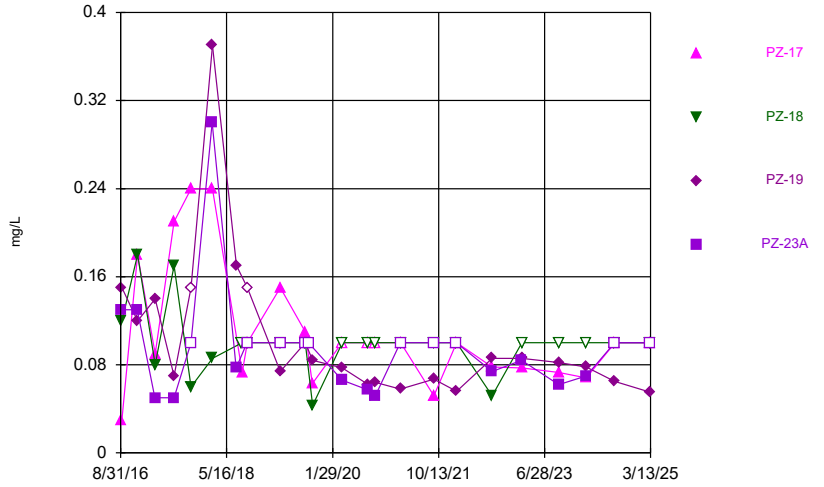
Time Series



Constituent: Fluoride Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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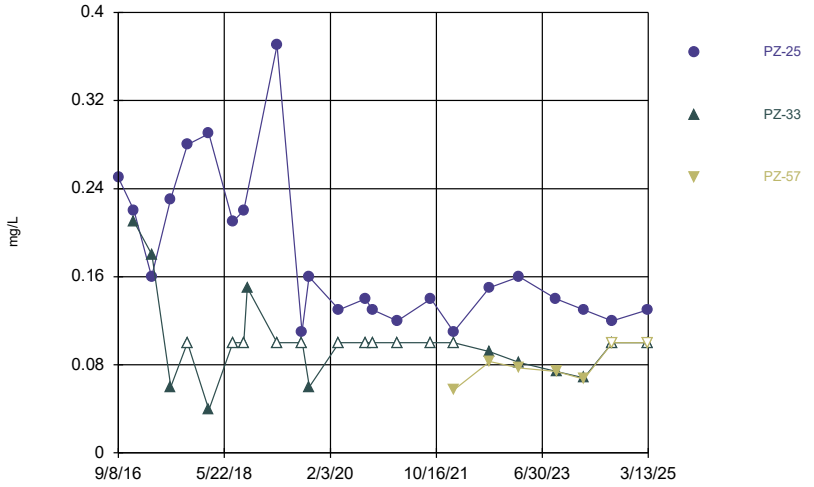
Time Series



Constituent: Fluoride Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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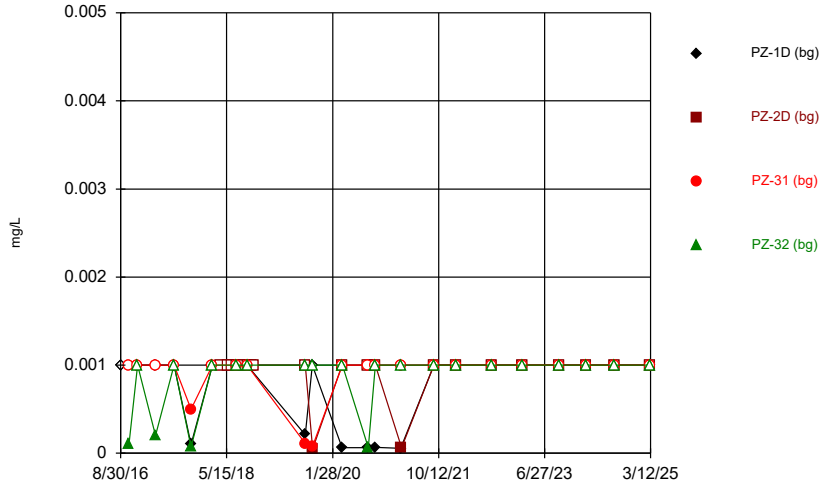
Time Series



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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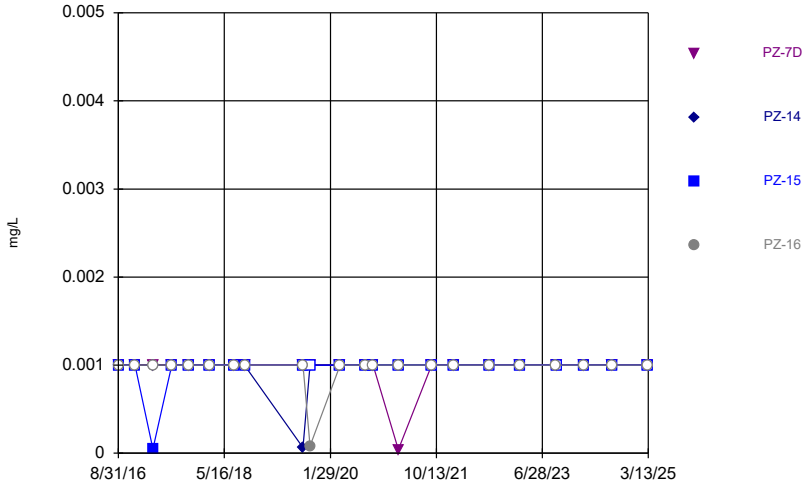
Time Series



Constituent: Lead Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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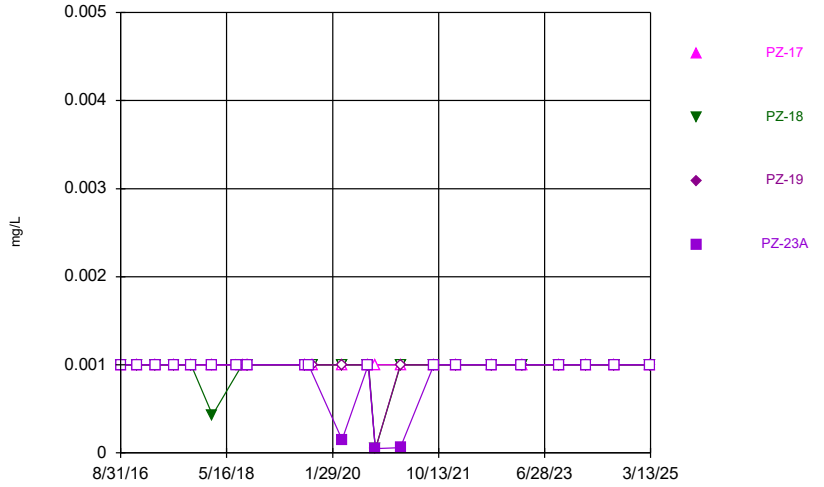
Time Series



Constituent: Lead Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

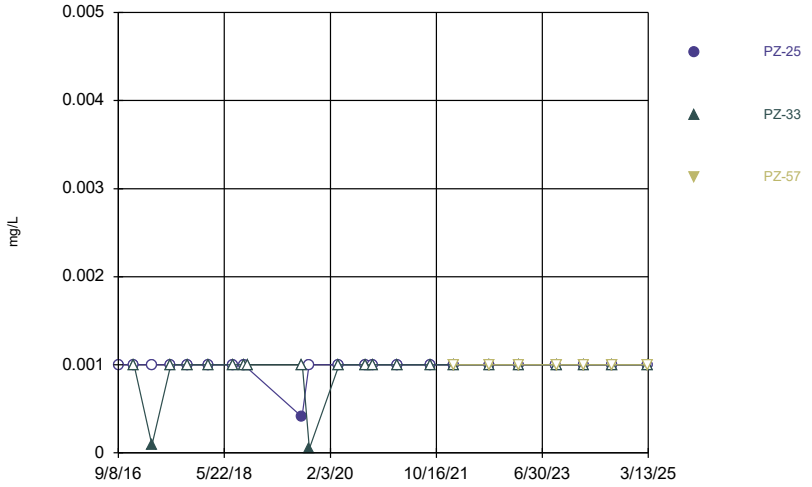
Time Series



Constituent: Lead Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

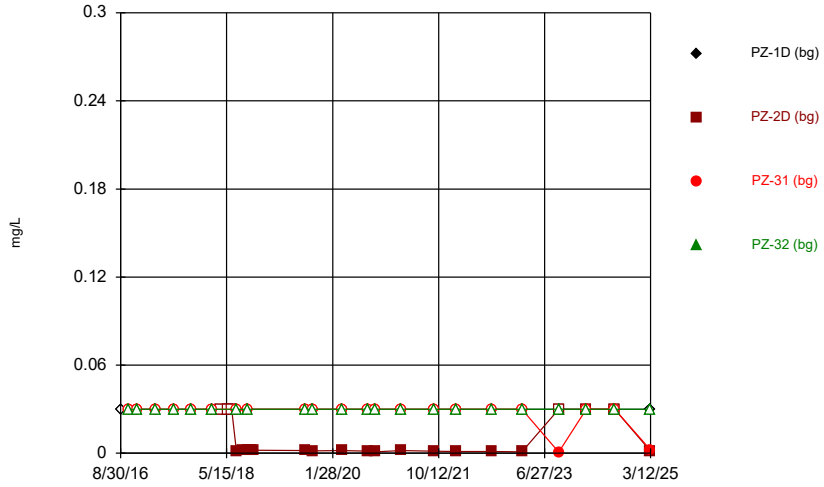
Time Series



Constituent: Lead Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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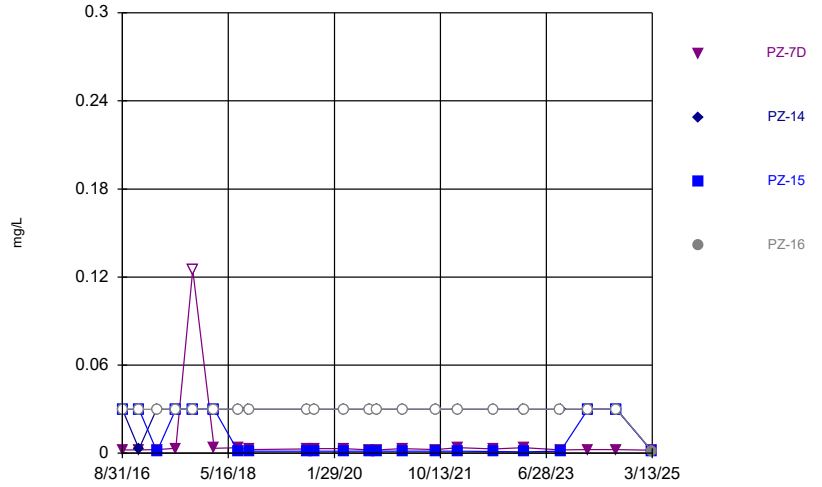
Time Series



Constituent: Lithium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

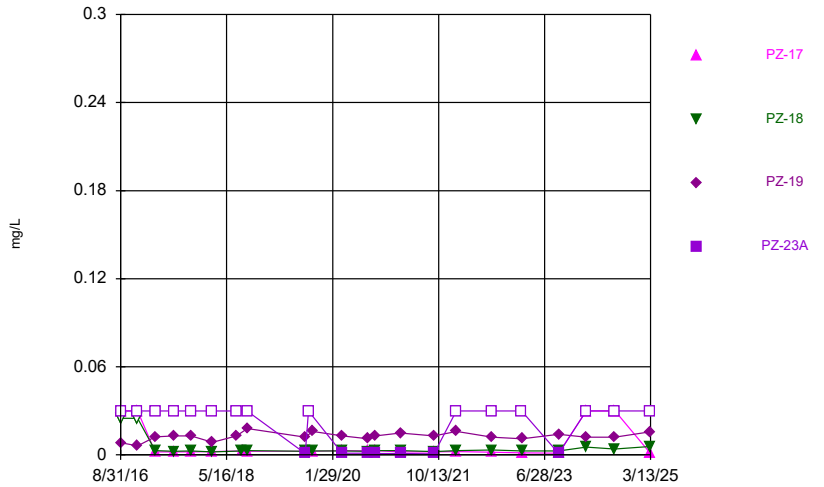
Time Series



Constituent: Lithium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

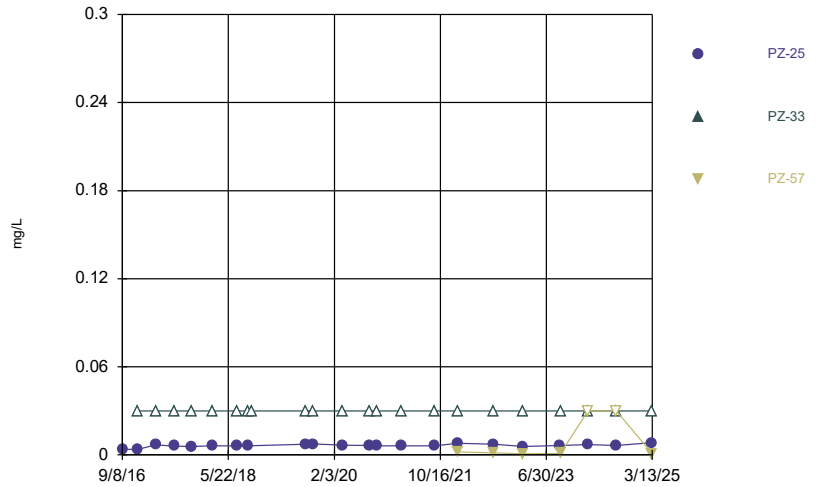
Time Series



Constituent: Lithium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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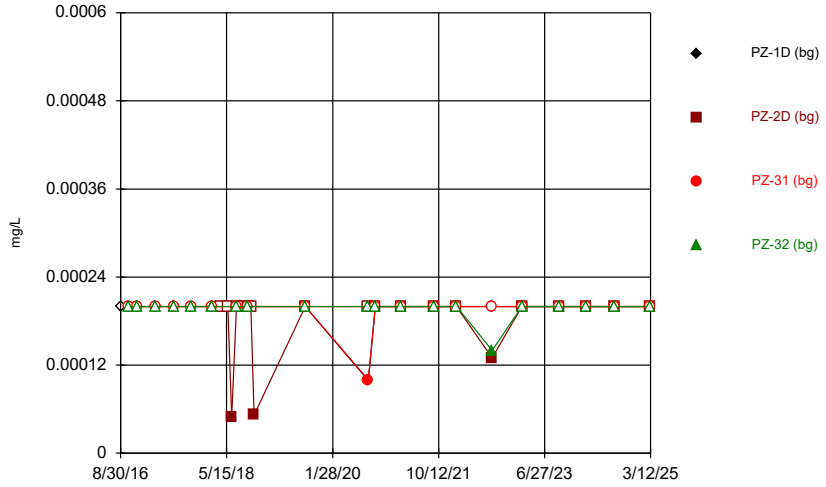
Time Series



Constituent: Lithium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

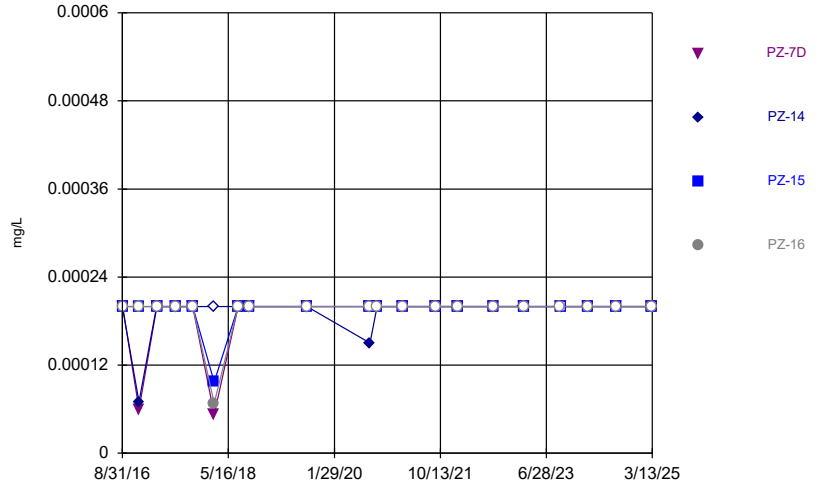
Time Series



Constituent: Mercury Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

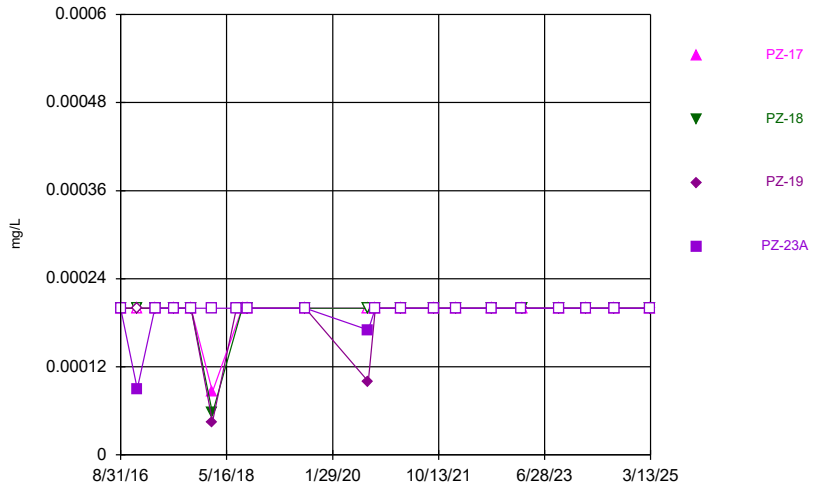
Time Series



Constituent: Mercury Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

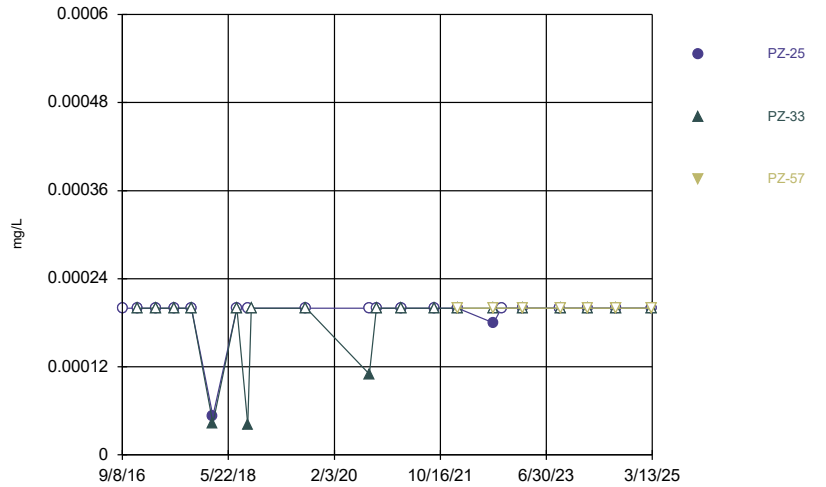
Time Series



Constituent: Mercury Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

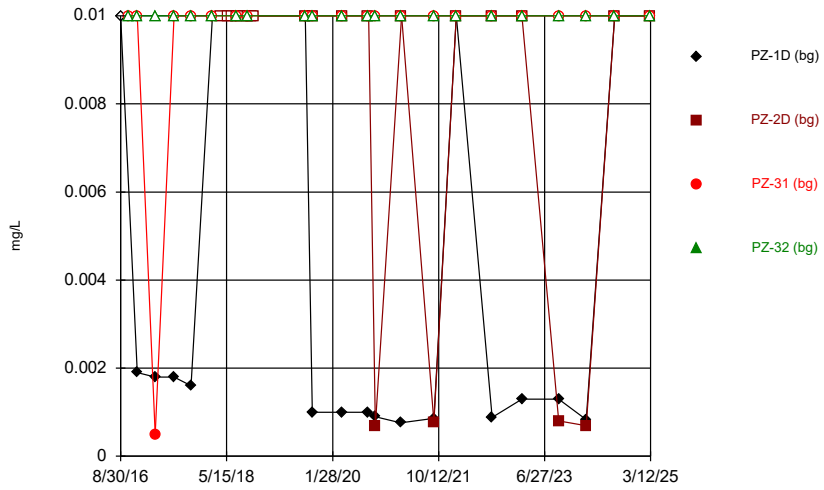
Time Series



Constituent: Mercury Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
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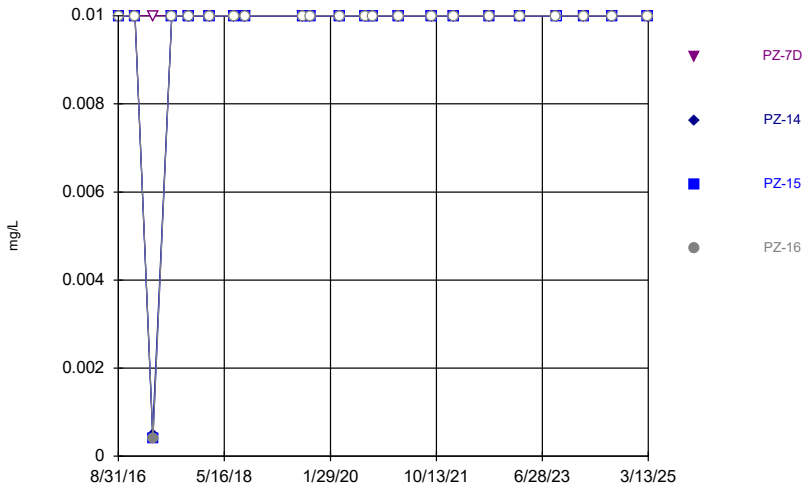
Time Series



Constituent: Molybdenum Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

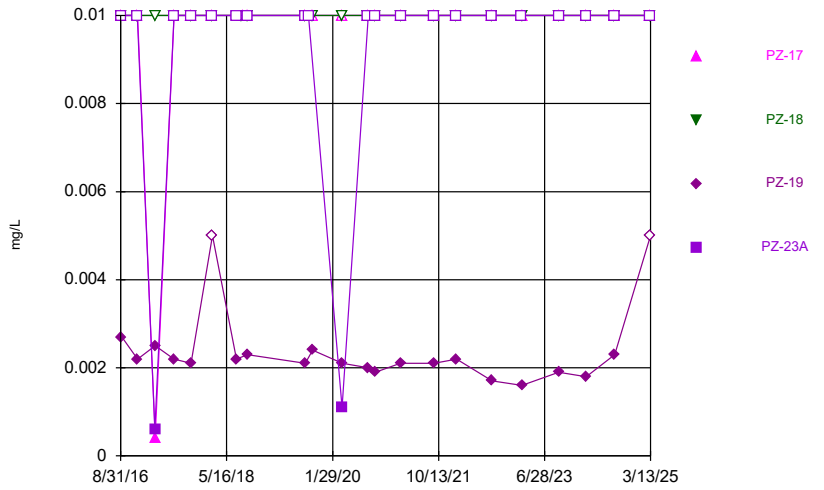
Time Series



Constituent: Molybdenum Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

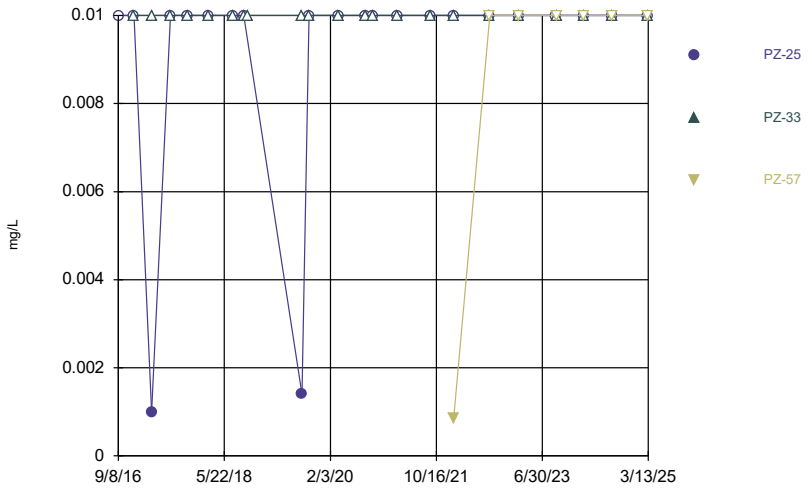
Time Series



Constituent: Molybdenum Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

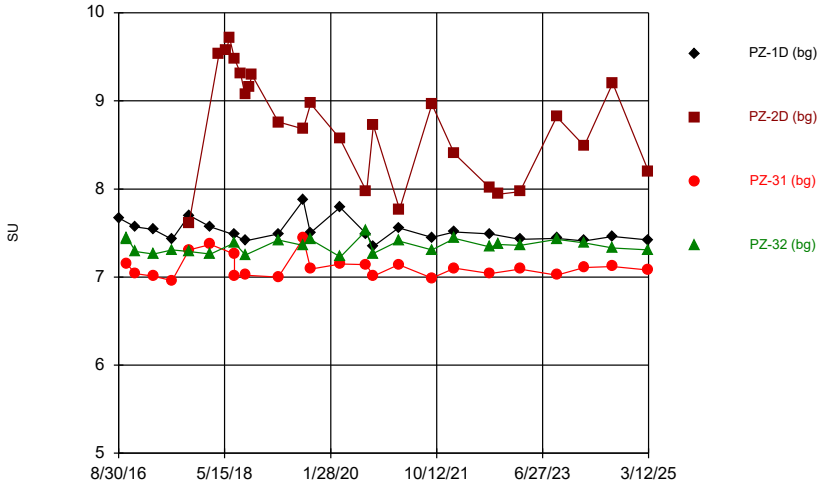
Time Series



Constituent: Molybdenum Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

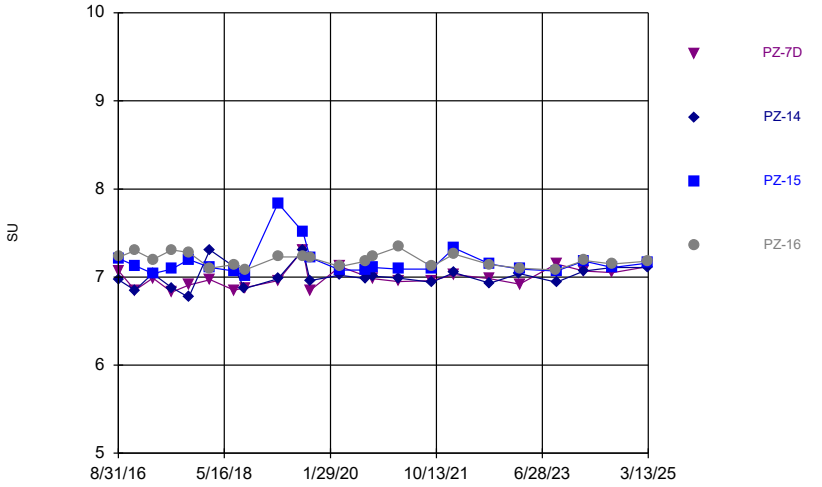
Time Series



Constituent: pH, Field Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

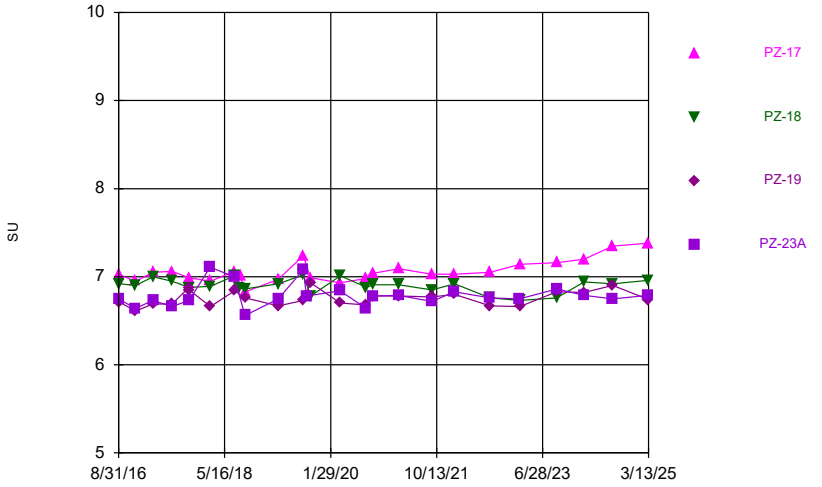
Time Series



Constituent: pH, Field Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

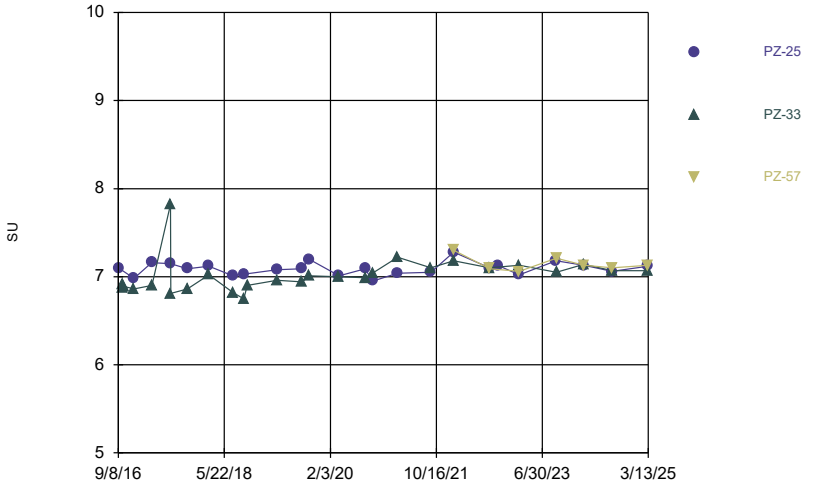
Time Series



Constituent: pH, Field Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

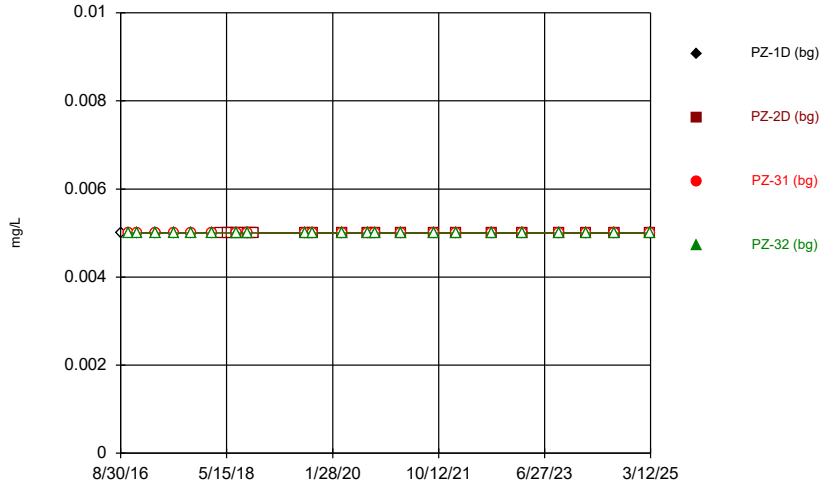
Time Series



Constituent: pH, Field Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

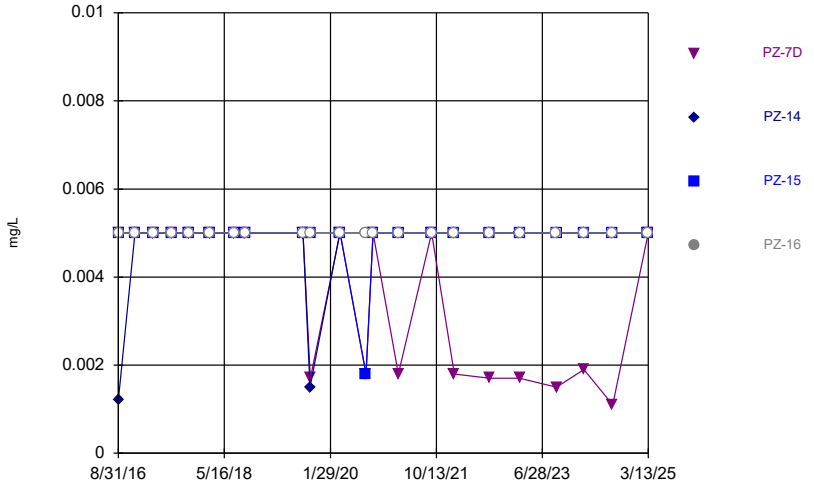
Time Series



Constituent: Selenium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

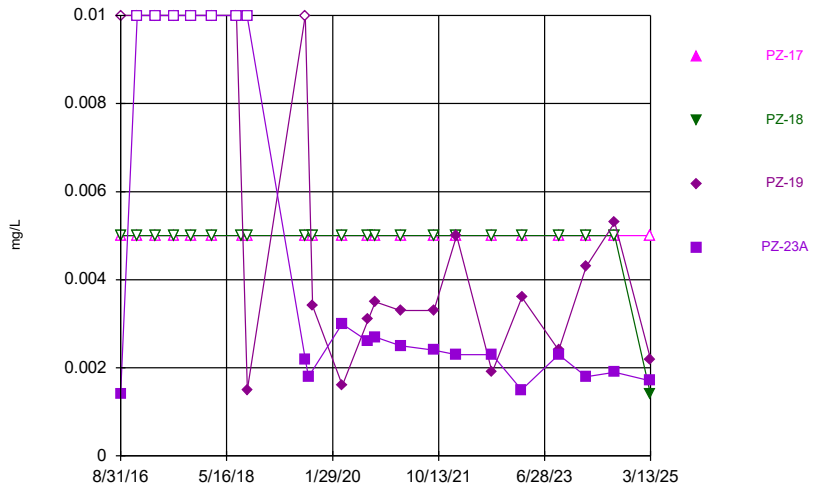
Time Series



Constituent: Selenium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

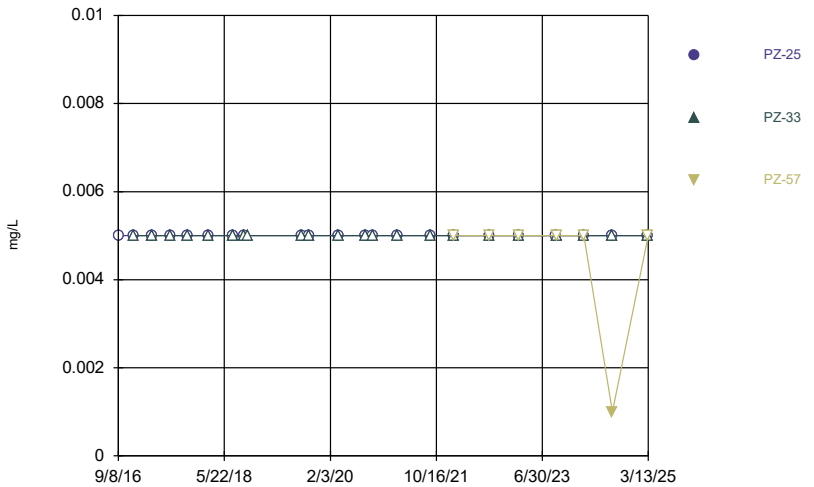
Time Series



Constituent: Selenium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

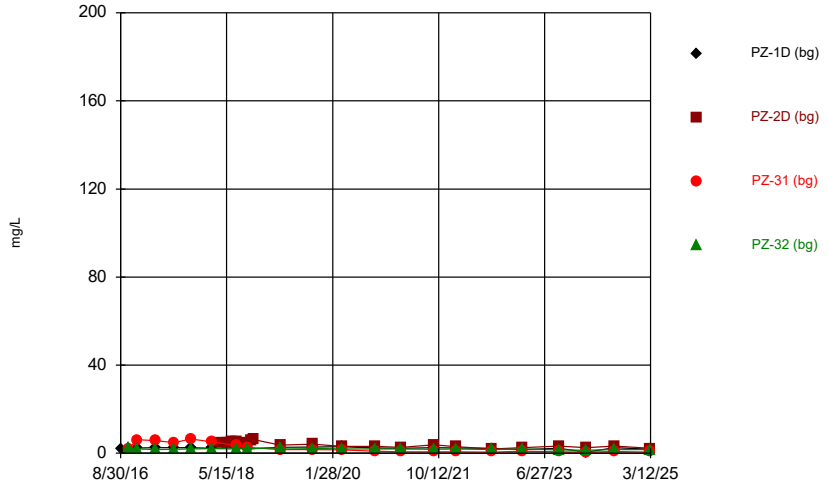
Time Series



Constituent: Selenium Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

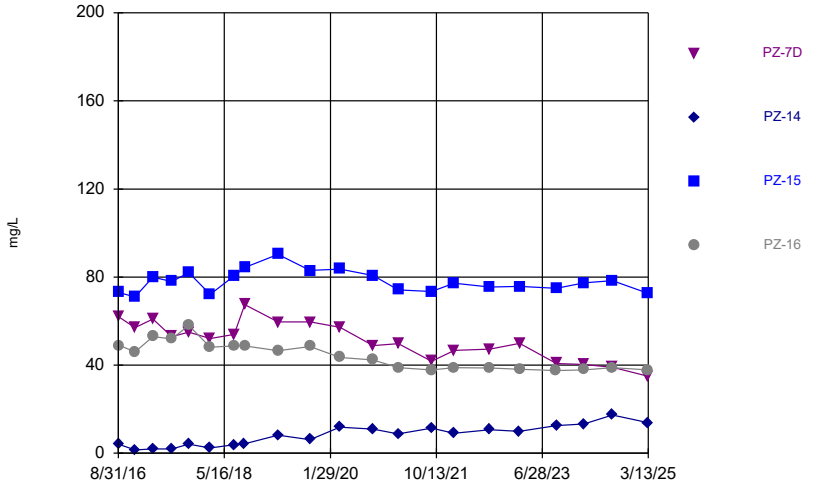
Time Series



Constituent: Sulfate Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

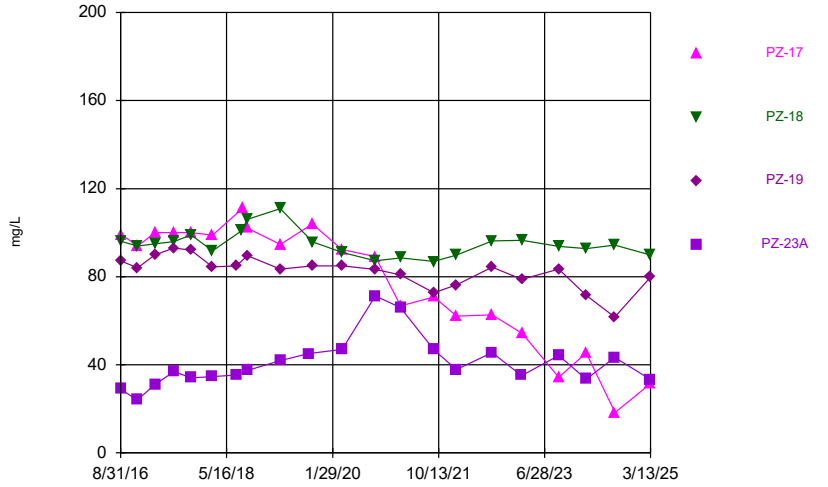
Time Series



Constituent: Sulfate Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

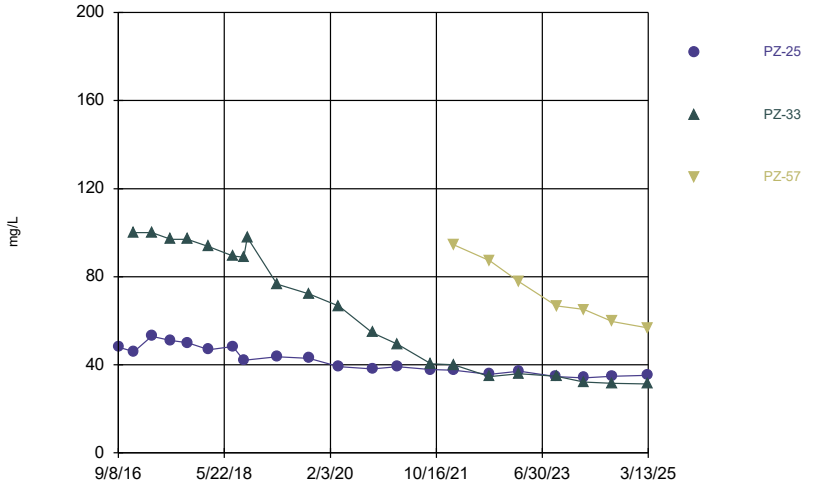
Time Series



Constituent: Sulfate Analysis Run 6/19/2025 3:23 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

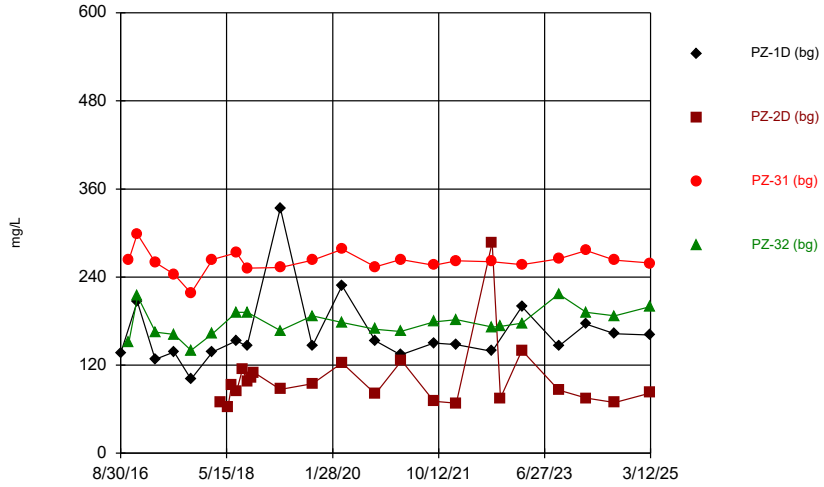
Time Series



Constituent: Sulfate Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

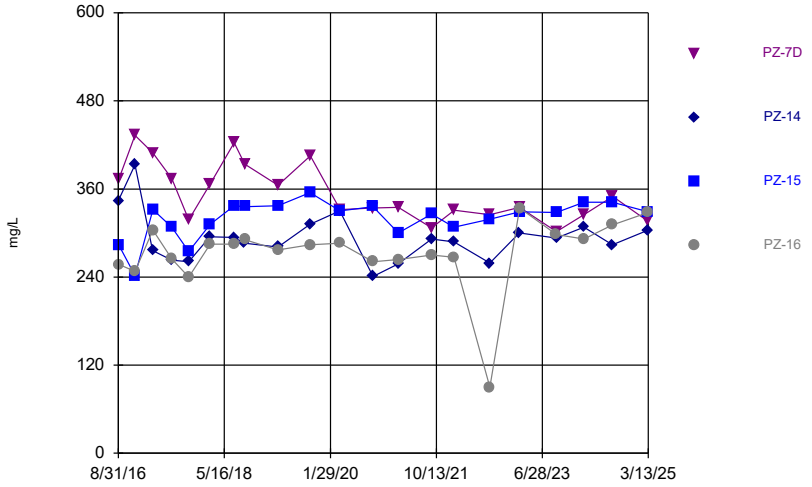
Time Series



Constituent: TDS Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

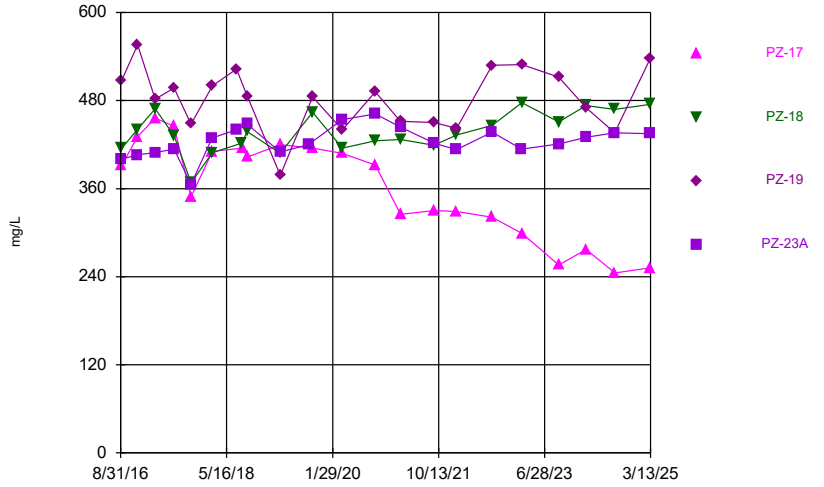
Time Series



Constituent: TDS Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

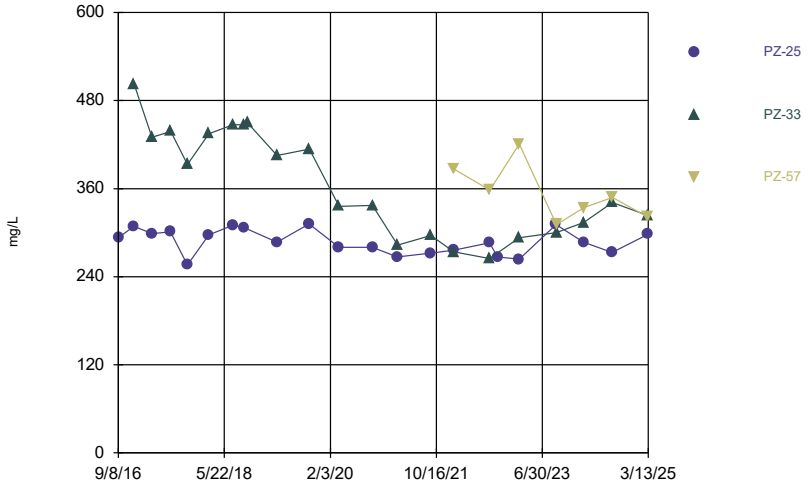
Time Series



Constituent: TDS Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

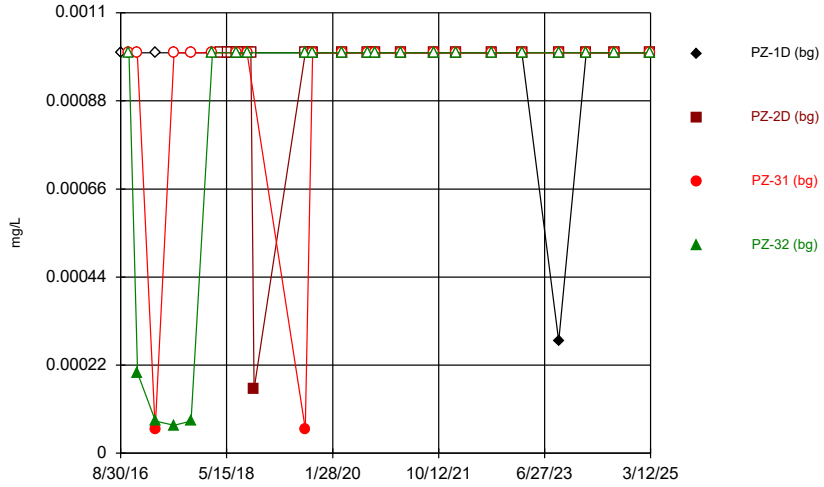
Time Series



Constituent: TDS Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

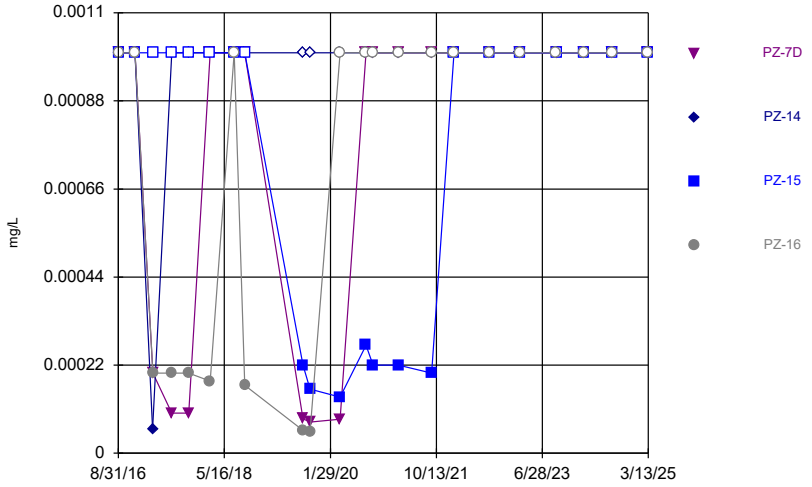
Time Series



Constituent: Thallium Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

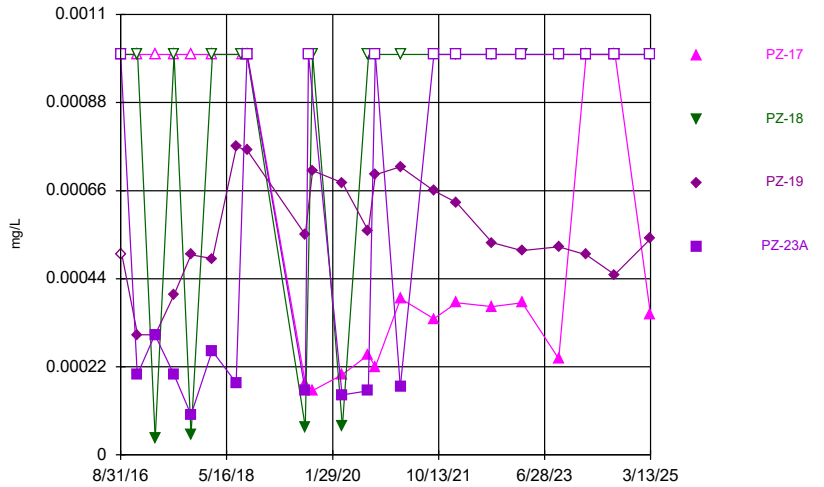
Time Series



Constituent: Thallium Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

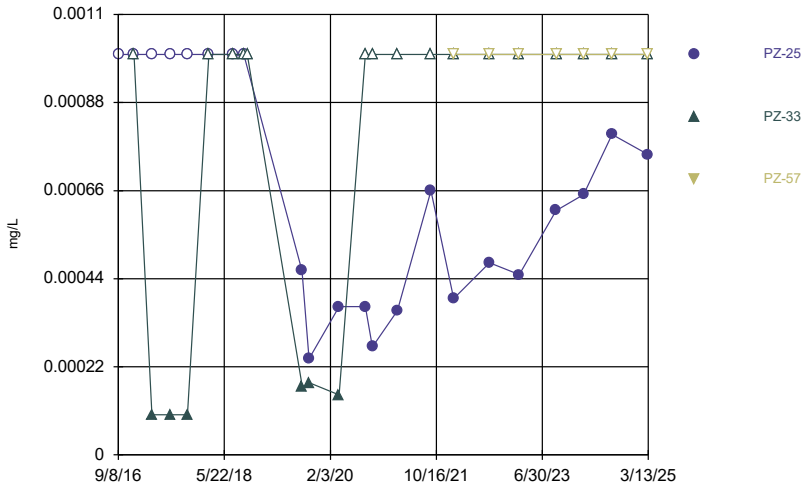
Time Series



Constituent: Thallium Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 6/19/2025 3:24 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.0009 (J)			
10/18/2016			0.0018 (J)	<0.003
12/6/2016	<0.003		<0.003	
12/7/2016				<0.003
3/21/2017	0.0028 (J)		<0.003	
3/23/2017				<0.003
7/11/2017	0.0035		<0.003	<0.003
10/17/2017	0.0025 (J)		<0.003	<0.003
2/20/2018	0.00094 (J)		<0.003	<0.003
4/12/2018		<0.003		
5/23/2018		0.0017 (J)		
6/13/2018		0.0018 (J)		
7/11/2018	0.0019 (J)	0.0024 (J)	<0.003	<0.003
8/17/2018		0.00082 (J)		
9/12/2018	0.0019 (J)	<0.003	<0.003	
9/13/2018				<0.003
10/4/2018		<0.003		
10/24/2018		0.00087 (J)		
8/20/2019	0.00074 (J)			<0.003
8/21/2019		0.0003 (J)	0.00056 (J)	
10/1/2019	0.00076 (J)			<0.003
10/2/2019		0.00042 (J)	<0.003	
3/24/2020	0.00055 (J)	0.00037 (J)		
3/25/2020			<0.003	<0.003
8/25/2020	0.0012 (J)		<0.003	<0.003
8/26/2020		0.0008 (J)		
10/6/2020	0.0021 (J)	0.0013 (J)	0.00045 (J)	<0.003
3/3/2021	0.00093 (J)		<0.003	<0.003
3/8/2021		0.0003 (J)		
9/14/2021	<0.003	0.0011 (J)		0.0012 (J)
9/15/2021			<0.003	
1/25/2022	<0.003	0.00098 (J)		
1/26/2022			<0.003	<0.003
8/24/2022	<0.003	0.0011 (J)	<0.003	0.001 (J)
2/14/2023	<0.003	0.0015 (J)	<0.003	<0.003
9/19/2023	<0.003	<0.003	0.0042	<0.003
2/27/2024		0.00073 (J)		<0.003
2/28/2024	0.00059 (J)		0.0025 (J)	
8/13/2024	<0.003	<0.003	<0.003	<0.003
3/11/2025	<0.003	<0.003	<0.003	
3/12/2025				<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.003		
9/1/2016	<0.003		0.001 (J)	
9/6/2016				<0.003
12/7/2016	<0.003	<0.003	<0.003	<0.003
3/21/2017		0.0004 (J)		
3/22/2017	<0.003		<0.003	<0.003
7/11/2017		<0.003		<0.003
7/12/2017	<0.003		<0.003	
10/18/2017		<0.003	<0.003	<0.003
10/19/2017	<0.003			
2/20/2018		<0.003		
2/21/2018	<0.003		<0.003	<0.003
7/11/2018		<0.003		
7/12/2018	<0.003		<0.003	<0.003
9/12/2018		<0.003		
9/13/2018	<0.003		<0.003	<0.003
8/21/2019		0.00039 (J)	<0.003	<0.003
8/22/2019	<0.003			
10/2/2019		<0.003	<0.003	<0.003
10/3/2019	0.00029 (J)			
3/25/2020		<0.003		
3/26/2020	0.00042 (J)		<0.003	<0.003
8/26/2020	0.00031 (J)	<0.003	0.00062 (J)	0.00037 (J)
10/6/2020		<0.003		<0.003
10/7/2020	<0.003		<0.003	
3/3/2021		<0.003		
3/4/2021	<0.003		<0.003	<0.003
9/15/2021		<0.003	<0.003	<0.003
9/16/2021	<0.003			
1/26/2022		<0.003	<0.003	<0.003
1/27/2022	<0.003			
8/25/2022	<0.003	<0.003	<0.003	<0.003
2/14/2023		<0.003		
2/15/2023	<0.003		<0.003	<0.003
9/19/2023				<0.003
9/20/2023	<0.003	<0.003	<0.003	
2/28/2024	0.00089 (J)		<0.003	
2/29/2024		<0.003		<0.003
8/14/2024		<0.003	<0.003	<0.003
8/15/2024	<0.003			
3/12/2025		<0.003		<0.003
3/13/2025	<0.003		<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.003
9/7/2016	<0.003	<0.003	<0.003	
12/7/2016				<0.003
12/8/2016	<0.003	<0.003	<0.003	
3/21/2017				<0.003
3/22/2017	<0.003	<0.003		
3/23/2017			<0.003	
7/11/2017				<0.003
7/12/2017	<0.003	<0.003	<0.003	
10/18/2017	<0.003	<0.003		<0.003
10/19/2017			<0.003	
2/20/2018				<0.003
2/21/2018	<0.003	<0.003	<0.003	
7/11/2018				<0.003
7/12/2018			<0.003	
8/15/2018		<0.003		
8/16/2018	<0.003			
9/13/2018		<0.003		<0.003
9/14/2018	<0.003		<0.003	
8/21/2019				0.00055 (J)
8/22/2019	<0.003	0.00045 (J)	<0.003	
9/10/2019				<0.003
10/2/2019	<0.003			
10/3/2019		<0.003	0.00044 (J)	
3/25/2020	0.00094 (J)			<0.003
3/26/2020		0.0018 (J)	<0.003	
8/26/2020	0.00061 (J)		<0.003	0.00038 (J)
8/27/2020		<0.003		
10/6/2020				<0.003
10/7/2020	<0.003	0.0014 (J)	<0.003	
3/3/2021			<0.003	0.0017 (J)
3/4/2021	0.00055 (J)	<0.003		
9/15/2021				<0.003
9/16/2021	<0.003	<0.003	<0.003	
1/26/2022				<0.003
1/27/2022	<0.003	<0.003	<0.003	
8/25/2022	<0.003	<0.003	<0.003	<0.003
2/14/2023				<0.003
2/15/2023		<0.003	<0.003	
2/16/2023	<0.003			
9/20/2023	<0.003	0.004	<0.003	<0.003
2/28/2024				<0.003
2/29/2024	0.00076 (J)	<0.003	<0.003	
8/14/2024		<0.003	<0.003	<0.003
8/15/2024	<0.003			
3/12/2025	<0.003	<0.003	<0.003	
3/13/2025				<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.003		
12/8/2016	<0.003	<0.003	
3/22/2017	<0.003		
3/23/2017		<0.003	
7/11/2017	<0.003		
7/12/2017		<0.003	
10/18/2017	<0.003		
10/19/2017		<0.003	
2/21/2018	<0.003	<0.003	
7/12/2018	<0.003	<0.003	
9/13/2018	<0.003		
9/14/2018		<0.003	
10/4/2018		<0.003	
8/21/2019	0.0014 (J)		
8/22/2019		<0.003	
10/2/2019	<0.003		
10/3/2019		<0.003	
3/25/2020	<0.003		
3/26/2020		<0.003	
8/26/2020	<0.003	<0.003	
10/7/2020	<0.003	0.00037 (J)	
3/3/2021	<0.003		
3/4/2021		<0.003	
9/15/2021	<0.003		
9/16/2021		<0.003	
1/26/2022	<0.003		
1/27/2022		<0.003	<0.003
8/24/2022	<0.003	0.00082 (J)	
8/26/2022			<0.003
2/15/2023	<0.003		
2/16/2023		<0.003	<0.003
9/19/2023	<0.003		
9/21/2023		<0.003	<0.003
2/27/2024	<0.003		
2/29/2024		<0.003	<0.003
8/13/2024	<0.003		
8/15/2024		<0.003	<0.003
3/12/2025	<0.003		
3/13/2025		<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.005			
10/18/2016			<0.005	<0.005
12/6/2016	<0.005		<0.005	
12/7/2016				0.002 (J)
3/21/2017	<0.005		<0.005	
3/23/2017				<0.005
7/11/2017	<0.005		<0.005	<0.005
10/17/2017	<0.005		<0.005	<0.005
2/20/2018	<0.005		<0.005	<0.005
4/12/2018		0.00064 (J)		
5/23/2018		<0.005		
6/13/2018		0.0007 (J)		
7/11/2018	<0.005	<0.005	<0.005	<0.005
8/17/2018		0.00062 (J)		
9/12/2018	<0.005	<0.005	<0.005	
9/13/2018				<0.005
10/4/2018		<0.005		
10/24/2018		0.00068 (J)		
8/20/2019	<0.005			<0.005
8/21/2019		0.0014 (J)	<0.005	
10/1/2019	<0.005			<0.005
10/2/2019		0.0022 (J)	<0.005	
3/24/2020	<0.005	<0.005		
3/25/2020			<0.005	<0.005
8/25/2020	<0.005		<0.005	<0.005
8/26/2020		<0.005		
9/14/2021	<0.005	0.0014 (J)		<0.005
9/15/2021			<0.005	
1/25/2022	<0.005	0.0014 (J)		
1/26/2022			<0.005	<0.005
8/24/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005
9/19/2023	<0.005	<0.005	<0.005	<0.005
2/27/2024		<0.005		<0.005
2/28/2024	<0.005		<0.005	
8/13/2024	<0.005	0.0012 (J)	<0.005	<0.005
3/11/2025	<0.005	<0.005	<0.005	
3/12/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.005		
9/1/2016	<0.005		<0.005	
9/6/2016				<0.005
12/7/2016	<0.005	<0.005	<0.005	<0.005
3/21/2017		<0.005		
3/22/2017	<0.005		0.0011 (J)	<0.005
7/11/2017		<0.005		<0.005
7/12/2017	<0.005		0.0006 (J)	
10/18/2017		<0.005	<0.005	<0.005
10/19/2017	<0.005			
2/20/2018		<0.005		
2/21/2018	<0.005		0.00089 (J)	<0.005
7/11/2018		<0.005		
7/12/2018	<0.005		<0.005	<0.005
9/12/2018		<0.005		
9/13/2018	<0.005		<0.005	<0.005
8/21/2019		<0.005	<0.005	0.00036 (J)
8/22/2019	<0.005			
10/2/2019		0.00083 (J)	<0.005	<0.005
10/3/2019	<0.005			
3/25/2020		<0.005		
3/26/2020	<0.005		<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005
9/15/2021		<0.005	<0.005	<0.005
9/16/2021	<0.005			
1/26/2022		<0.005	<0.005	<0.005
1/27/2022	<0.005			
8/25/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023		<0.005		
2/15/2023	<0.005		<0.005	<0.005
9/19/2023				<0.005
9/20/2023	<0.005	<0.005	<0.005	
2/28/2024	<0.005		<0.005	
2/29/2024		<0.005		<0.005
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	0.0012 (J)			
3/12/2025		<0.005		<0.005
3/13/2025	<0.005		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.005
9/7/2016	<0.005	<0.005	<0.005	
12/7/2016				<0.005
12/8/2016	<0.005	<0.005	<0.005	
3/21/2017				<0.005
3/22/2017	0.0007 (J)	<0.005		
3/23/2017			0.0007 (J)	
7/11/2017				<0.005
7/12/2017	<0.005	<0.005	<0.005	
10/18/2017	<0.005	<0.005		<0.005
10/19/2017			<0.005	
2/20/2018				<0.005
2/21/2018	0.00072 (J)	<0.005	<0.005	
7/11/2018				<0.005
7/12/2018			<0.005	
8/15/2018		<0.005		
8/16/2018	0.0007 (J)			
9/13/2018		<0.005		<0.005
9/14/2018	<0.005		<0.005	
8/21/2019				<0.005
8/22/2019	<0.005	<0.005	<0.005	
9/10/2019				0.00036 (J)
10/2/2019	<0.005			
10/3/2019		<0.005	<0.005	
3/25/2020	<0.005			<0.005
3/26/2020		<0.005	<0.005	
8/26/2020	<0.005		<0.005	<0.005
8/27/2020		<0.005		
9/15/2021				<0.005
9/16/2021	<0.005	<0.005	<0.005	
1/26/2022				<0.005
1/27/2022	<0.005	<0.005	<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023				<0.005
2/15/2023		<0.005	<0.005	
2/16/2023	<0.005			
9/20/2023	<0.005	<0.005	<0.005	<0.005
2/28/2024				<0.005
2/29/2024	<0.005	<0.005	<0.005	
8/14/2024		<0.005	<0.005	0.00089 (J)
8/15/2024	<0.005			
3/12/2025	<0.005	<0.005	<0.005	
3/13/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.0017 (J)		
12/8/2016	<0.005	<0.005	
3/22/2017	0.001 (J)		
3/23/2017		0.0007 (J)	
7/11/2017	<0.005		
7/12/2017		<0.005	
10/18/2017	<0.005		
10/19/2017		<0.005	
2/21/2018	0.00071 (J)	0.00094 (J)	
7/12/2018	<0.005	<0.005	
9/13/2018	<0.005		
9/14/2018		<0.005	
10/4/2018		<0.005	
8/21/2019	<0.005		
8/22/2019		<0.005	
10/2/2019	0.00063 (J)		
10/3/2019		<0.005	
3/25/2020	<0.005		
3/26/2020		<0.005	
8/26/2020	<0.005	<0.005	
9/15/2021	<0.005		
9/16/2021		<0.005	
1/26/2022	<0.005		
1/27/2022		<0.005	<0.005
8/24/2022	<0.005	<0.005	
8/26/2022			<0.005
2/15/2023	<0.005		
2/16/2023		<0.005	<0.005
9/19/2023	<0.005		
9/21/2023		<0.005	<0.005
2/27/2024	<0.005		
2/29/2024		<0.005	<0.005
8/13/2024	<0.005		
8/15/2024		0.0013 (J)	0.00086 (J)
3/12/2025	<0.005		
3/13/2025		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.0335			
10/18/2016			0.0257	0.0248
12/6/2016	0.0311		0.113	
12/7/2016				0.0506
3/21/2017	0.0305		0.0226	
3/23/2017				0.0175
7/11/2017	0.0305		0.0139	0.0161
10/17/2017	0.0255		0.0103	0.0158
2/20/2018	0.027		0.015	0.015
4/12/2018		<0.01		
5/23/2018		0.0042 (J)		
6/13/2018		0.012		
7/11/2018	0.032	0.0056 (J)	0.011	0.016
8/17/2018		0.0069 (J)		
9/12/2018	0.021	0.011	0.0087 (J)	
9/13/2018				0.014
10/4/2018		0.0066 (J)		
10/24/2018		0.0059 (J)		
8/20/2019	0.017			0.016
8/21/2019		0.0042 (J)	0.007 (J)	
10/1/2019	0.016			0.015
10/2/2019		0.0046 (J)	0.0067 (J)	
3/24/2020	0.015	0.0046 (J)		
3/25/2020			0.0082 (J)	0.015
8/25/2020	0.014		0.0071 (J)	0.015
8/26/2020		0.0051 (J)		
10/6/2020	0.015	0.0039 (J)	0.0075 (J)	0.015
3/3/2021	0.015		0.0069	0.013
3/8/2021		0.0065		
9/14/2021	0.013	0.0041 (J)		0.014
9/15/2021			0.0066	
1/25/2022	0.014	0.0037 (J)		
1/26/2022			0.0075	0.014
8/24/2022	0.015	0.01	0.0063	0.019
2/14/2023	0.02	0.0055	0.0071	0.014
9/19/2023	0.014	0.0027 (J)	0.0071	0.015
2/27/2024		0.0035 (J)		0.015
2/28/2024	0.017		0.0079	
8/13/2024	0.012	0.0025 (J)	0.0071	0.014
3/11/2025	0.013	0.0043 (J)	0.008	
3/12/2025				0.016

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		0.0253		
9/1/2016	0.0117		0.103	
9/6/2016				0.0794
12/7/2016	0.0133	0.065	0.0781	0.0689
3/21/2017		0.0379		
3/22/2017	0.0114		0.0589	0.0423
7/11/2017		0.036		0.0467
7/12/2017	0.0097 (J)		0.0613	
10/18/2017		0.0247	0.0617	0.0446
10/19/2017	0.0091 (J)			
2/20/2018		0.03		
2/21/2018	0.0086 (J)		0.076	0.046
7/11/2018		0.027		
7/12/2018	0.0093 (J)		0.056	0.043
9/12/2018		0.022		
9/13/2018	0.0078 (J)		0.048	0.038
8/21/2019		0.017	0.05	0.034
8/22/2019	0.0067 (J)			
10/2/2019		0.017	0.049	0.038
10/3/2019	0.007 (J)			
3/25/2020		0.021		
3/26/2020	0.0072 (J)		0.048	0.034
8/26/2020	0.007 (J)	0.016	0.053	0.036
10/6/2020		0.016		0.034
10/7/2020	0.0061 (J)		0.049	
3/3/2021		0.017		
3/4/2021	0.0061		0.047	0.035
9/15/2021		0.014	0.045	0.032
9/16/2021	0.0062			
1/26/2022		0.016	0.055	0.034
1/27/2022	0.0068			
8/25/2022	0.0058	0.011	0.057	0.035
2/14/2023		0.014		
2/15/2023	0.006		0.048	0.033
9/19/2023				0.038
9/20/2023	0.0059	0.01	0.05	
2/28/2024	0.006		0.058	
2/29/2024		0.013		0.034
8/14/2024		0.013	0.046	0.036
8/15/2024	0.0055			
3/12/2025		0.015		0.04
3/13/2025	0.0064		0.059	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				0.0407
9/7/2016	0.0823	0.0717	0.067	
12/7/2016				0.0581
12/8/2016	0.0668	0.0513	0.0522	
3/21/2017				0.0678
3/22/2017	0.0821	0.0273		
3/23/2017			0.0591	
7/11/2017				0.0574
7/12/2017	0.0805	0.0269	0.0604	
10/18/2017	0.0776	0.0258		0.0351
10/19/2017			0.0542	
2/20/2018				0.05
2/21/2018	0.073	0.029	0.058	
7/11/2018				0.051
7/12/2018			0.057	
8/15/2018		0.027		
8/16/2018	0.081			
9/13/2018		0.023		0.038
9/14/2018	0.081		0.058	
8/21/2019				0.032
8/22/2019	0.078	0.022	0.047	
9/10/2019				0.029
10/2/2019	0.074			
10/3/2019		0.025	0.057	
3/25/2020	0.077			0.048
3/26/2020		0.023	0.052	
8/26/2020	0.077		0.049	0.039
8/27/2020		0.023		
10/6/2020				0.037
10/7/2020	0.074	0.023	0.054	
3/3/2021			0.055	0.039
3/4/2021	0.071	0.023		
9/15/2021				0.037
9/16/2021	0.064	0.022	0.053	
1/26/2022				0.039
1/27/2022	0.072	0.025	0.055	
8/25/2022	0.061	0.026	0.046	0.036
2/14/2023				0.033
2/15/2023		0.026	0.051	
2/16/2023	0.059			
9/20/2023	0.058	0.022	0.053	0.035
2/28/2024				0.036
2/29/2024	0.052	0.031	0.051	
8/14/2024		0.025	0.048	0.036
8/15/2024	0.045			
3/12/2025	0.05	0.034	0.05	
3/13/2025				0.038

Time Series

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.102		
12/8/2016	0.102	0.162	
3/22/2017	0.0951		
3/23/2017		0.0753	
7/11/2017	0.102		
7/12/2017		0.0756	
10/18/2017	0.0997		
10/19/2017		0.0681	
2/21/2018	0.11	0.085	
7/12/2018	0.1	0.076	
9/13/2018	0.1		
9/14/2018		0.071	
10/4/2018		0.072	
8/21/2019	0.1		
8/22/2019		0.064	
10/2/2019	0.11		
10/3/2019		0.057	
3/25/2020	0.11		
3/26/2020		0.057	
8/26/2020	0.1	0.051	
10/7/2020	0.11	0.048	
3/3/2021	0.12		
3/4/2021		0.047	
9/15/2021	0.11		
9/16/2021		0.039	
1/26/2022	0.11		
1/27/2022		0.043	0.14
8/24/2022	0.1	0.038	
8/26/2022			0.064
2/15/2023	0.1		
2/16/2023		0.04	0.063
9/19/2023	0.11		
9/21/2023		0.041	0.062
2/27/2024	0.13		
2/29/2024		0.039	0.052
8/13/2024	0.11		
8/15/2024		0.041	0.048
3/12/2025	0.097		
3/13/2025		0.045	0.053

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.0005			
10/18/2016			<0.0005	<0.0005
12/6/2016	<0.0005		<0.0005	
12/7/2016				<0.0005
3/21/2017	<0.0005		<0.0005	
3/23/2017				<0.0005
7/11/2017	<0.0005		<0.0005	<0.0005
10/17/2017	<0.0005		<0.0005	<0.0005
2/20/2018	<0.0005		<0.0005	<0.0005
4/12/2018		<0.0005		
5/23/2018		<0.0005		
6/13/2018		<0.0005		
7/11/2018	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2018		<0.0005		
9/12/2018	6.1E-05 (J)	<0.0005	<0.0005	
9/13/2018				<0.0005
10/4/2018		<0.0005		
10/24/2018		6E-05 (J)		
8/20/2019	<0.0005			<0.0005
8/21/2019		<0.0005	<0.0005	
8/25/2020	<0.0005		<0.0005	<0.0005
8/26/2020		<0.0005		
9/14/2021	<0.0005	<0.0005		<0.0005
9/15/2021			<0.0005	
1/25/2022	<0.0005	<0.0005		
1/26/2022			<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023	<0.0005	<0.0005	<0.0005	<0.0005
9/19/2023	<0.0005	<0.0005	<0.0005	<0.0005
2/27/2024		<0.0005		<0.0005
2/28/2024	<0.0005		<0.0005	
8/13/2024	<0.0005	<0.0005	<0.0005	<0.0005
3/11/2025	<0.0005	<0.0005	<0.0005	
3/12/2025				<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.0005		
9/1/2016	<0.0005		<0.0005	
9/6/2016				<0.0005
12/7/2016	<0.0005	<0.0005	<0.0005	<0.0005
3/21/2017		<0.0005		
3/22/2017	<0.0005		<0.0005	<0.0005
7/11/2017		<0.0005		<0.0005
7/12/2017	<0.0005		<0.0005	
10/18/2017		<0.0005	<0.0005	<0.0005
10/19/2017	<0.0005			
2/20/2018		<0.0005		
2/21/2018	<0.0005		<0.0005	<0.0005
7/11/2018		<0.0005		
7/12/2018	<0.0005		<0.0005	<0.0005
9/12/2018		<0.0005		
9/13/2018	<0.0005		<0.0005	<0.0005
8/21/2019		<0.0005	<0.0005	<0.0005
8/22/2019	<0.0005			
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005
9/15/2021		<0.0005	<0.0005	<0.0005
9/16/2021	<0.0005			
1/26/2022		<0.0005	<0.0005	<0.0005
1/27/2022	<0.0005			
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023		<0.0005		
2/15/2023	<0.0005		<0.0005	<0.0005
9/19/2023				<0.0005
9/20/2023	<0.0005	<0.0005	<0.0005	
2/28/2024	<0.0005		<0.0005	
2/29/2024		<0.0005		<0.0005
8/14/2024		<0.0005	<0.0005	<0.0005
8/15/2024	<0.0005			
3/12/2025		<0.0005		<0.0005
3/13/2025	<0.0005		<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005	
12/7/2016				<0.0005
12/8/2016	<0.0005	<0.0005	<0.0005	
3/21/2017				<0.0005
3/22/2017	<0.0005	<0.0005		
3/23/2017			<0.0005	
7/11/2017				<0.0005
7/12/2017	<0.0005	<0.0005	<0.0005	
10/18/2017	<0.0005	<0.0005		<0.0005
10/19/2017			<0.0005	
2/20/2018				<0.0005
2/21/2018	<0.0005	<0.0005	<0.0005	
7/11/2018				<0.0005
7/12/2018			<0.0005	
8/15/2018		<0.0005		
8/16/2018	<0.0005			
9/13/2018		<0.0005		<0.0005
9/14/2018	<0.0005		<0.0005	
8/21/2019				<0.0005
8/22/2019	<0.0005	<0.0005	<0.0005	
8/26/2020	<0.0005		<0.0005	<0.0005
8/27/2020		<0.0005		
9/15/2021				<0.0005
9/16/2021	<0.0005	<0.0005	<0.0005	
1/26/2022				<0.0005
1/27/2022	<0.0005	<0.0005	<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023				<0.0005
2/15/2023		<0.0005	<0.0005	
2/16/2023	<0.0005			
9/20/2023	<0.0005	<0.0005	<0.0005	<0.0005
2/28/2024				<0.0005
2/29/2024	<0.0005	<0.0005	<0.0005	
8/14/2024		<0.0005	<0.0005	<0.0005
8/15/2024	<0.0005			
3/12/2025	<0.0005	<0.0005	<0.0005	
3/13/2025				<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.0005		
12/8/2016	<0.0005	<0.0005	
3/22/2017	<0.0005		
3/23/2017		<0.0005	
7/11/2017	<0.0005		
7/12/2017		<0.0005	
10/18/2017	<0.0005		
10/19/2017		<0.0005	
2/21/2018	<0.0005	<0.0005	
7/12/2018	<0.0005	<0.0005	
9/13/2018	<0.0005		
9/14/2018		<0.0005	
10/4/2018		<0.0005	
8/21/2019	<0.0005		
8/22/2019		<0.0005	
8/26/2020	<0.0005	<0.0005	
9/15/2021	<0.0005		
9/16/2021		<0.0005	
1/26/2022	<0.0005		
1/27/2022		<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	
8/26/2022			<0.0005
2/15/2023	<0.0005		
2/16/2023		<0.0005	<0.0005
9/19/2023	<0.0005		
9/21/2023		<0.0005	<0.0005
2/27/2024	<0.0005		
2/29/2024		<0.0005	<0.0005
8/13/2024	<0.0005		
8/15/2024		<0.0005	<0.0005
3/12/2025	<0.0005		
3/13/2025		<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.0132 (J)			
10/18/2016			0.0174 (J)	0.0156 (J)
12/6/2016	0.0096 (J)		0.0133 (J)	
12/7/2016				0.0157 (J)
3/21/2017	0.0082 (J)		0.0103 (J)	
3/23/2017				0.0103 (J)
7/11/2017	0.0067 (J)		<0.04	<0.04
10/17/2017	0.0083 (J)		0.0116 (J)	0.0142 (J)
2/20/2018	0.024 (J)		0.046 (J)	0.011 (J)
4/12/2018		0.016 (J)		
5/23/2018		0.018 (J)		
6/13/2018		0.014 (J)		
7/11/2018	0.017 (J)	0.017 (J)	0.014 (J)	0.014 (J)
8/17/2018		0.015 (J)		
9/12/2018	0.012 (J)	0.013 (J)	0.0098 (J)	
9/13/2018				0.013 (J)
10/4/2018		0.016 (J)		
10/24/2018		0.018 (J)		
3/26/2019	0.0082 (J)		0.0076 (J)	
3/27/2019		0.016 (J)		0.012 (J)
10/1/2019	0.0064 (J)			0.011 (J)
10/2/2019		0.011 (J)	0.0084 (J)	
3/24/2020	0.013 (J)	0.015 (J)		
3/25/2020			0.011 (J)	0.016 (J)
10/6/2020	0.015 (J)	0.018 (J)	0.011 (J)	0.015 (J)
3/3/2021	0.01 (J)		0.0087 (J)	0.022 (J)
3/8/2021		0.013 (J)		
9/14/2021	<0.04	0.011 (J)		0.012 (J)
9/15/2021			<0.04	
1/25/2022	0.01 (J)	0.013 (J)		
1/26/2022			<0.04	0.01 (J)
8/24/2022	0.011 (J)	0.012 (J)	<0.04	0.022 (J)
2/14/2023	0.011 (J)	0.01 (J)	<0.04	0.012 (J)
9/19/2023	0.024 (J)	0.011 (J)	0.022 (J)	0.011 (J)
2/27/2024		<0.04		<0.04
2/28/2024	0.016 (J)		0.016 (J)	
8/13/2024	<0.04	0.017 (J)	<0.04	0.017 (J)
3/11/2025	0.01 (J)	0.013 (J)	0.0093 (J)	
3/12/2025				0.014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		0.0285 (J)		
9/1/2016	0.379		0.215	
9/6/2016				0.17
12/7/2016	0.394	0.0292 (J)	0.224	0.173
3/21/2017		0.0198 (J)		
3/22/2017	0.365		0.205	0.218
7/11/2017		0.0137 (J)		0.18
7/12/2017	0.267		0.184	
10/18/2017		0.0212 (J)	0.197	0.195
10/19/2017	0.326			
2/20/2018		0.026 (J)		
2/21/2018	0.29		0.21	0.21
7/11/2018		0.026 (J)		
7/12/2018	0.32		0.23	0.21
9/12/2018		0.02 (J)		
9/13/2018	0.31		0.22	0.21
3/27/2019		0.023 (J)		0.21
3/28/2019	0.33		0.22	
10/2/2019		0.021 (J)	0.17	0.19
10/3/2019	0.24			
3/25/2020		0.027 (J)		
3/26/2020	0.24		0.21	0.19
10/6/2020		0.026 (J)		0.19
10/7/2020	0.2		0.19	
3/3/2021		0.028 (J)		
3/4/2021	0.2		0.16	0.2
9/15/2021		0.022 (J)	0.16	0.16
9/16/2021	0.18			
1/26/2022		0.022 (J)	0.22	0.19
1/27/2022	0.23			
8/25/2022	0.2	0.032 (J)	0.21	0.24
2/14/2023		0.023 (J)		
2/15/2023	0.21		0.21	0.19
9/19/2023				0.19
9/20/2023	0.19	0.027 (J)	0.18	
2/28/2024	0.17		0.2	
2/29/2024		0.03 (J)		0.18
8/14/2024		0.035 (J)	0.18	0.19
8/15/2024	0.19			
3/12/2025		0.029 (J)		0.2
3/13/2025	0.18		0.2	

Time Series

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				0.166
9/7/2016	0.276	0.355	0.573	
12/7/2016				0.182
12/8/2016	0.303	0.351	0.588	
3/21/2017				0.172
3/22/2017	0.342	0.405		
3/23/2017			0.703	
7/11/2017				0.149
7/12/2017	0.278	0.35	0.598	
10/18/2017	0.277	0.37		0.158
10/19/2017			0.66	
2/20/2018				0.16
2/21/2018	0.29	0.33	0.6	
7/11/2018				0.17
7/12/2018			0.64	
8/15/2018		0.37		
8/16/2018	0.33			
9/13/2018		0.37		0.16
9/14/2018	0.31		0.57	
3/27/2019		0.41		0.18
3/28/2019	0.34		0.7	
9/10/2019				0.15
10/2/2019	0.28			
10/3/2019		0.35	0.52	
3/25/2020	0.33			0.19
3/26/2020		0.36	0.6	
10/6/2020				0.16
10/7/2020	0.3	0.39	0.52	
3/3/2021			0.5	0.16
3/4/2021	0.22	0.37		
9/15/2021				0.15
9/16/2021	0.22	0.31	0.46	
1/26/2022				0.14
1/27/2022	0.21	0.4	0.55	
8/25/2022	0.19 (J)	0.39	0.58	0.17 (J)
2/14/2023				0.13
2/15/2023		0.35	0.54	
2/16/2023	0.15			
9/20/2023	0.1	0.41	0.62	0.15
2/28/2024				0.12
2/29/2024	0.13	0.35	0.43	
8/14/2024		0.37	0.35	0.16
8/15/2024	0.053			
3/12/2025	0.079	0.41	0.66	
3/13/2025				0.14

Time Series

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.204		
12/8/2016	0.216	0.375	
3/22/2017	0.247		
3/23/2017		0.396	
7/11/2017	0.194		
7/12/2017		0.343	
10/18/2017	0.186		
10/19/2017		0.413	
2/21/2018	0.22	0.36	
7/12/2018	0.22	0.41	
9/13/2018	0.2		
9/14/2018		0.38	
10/4/2018		0.39	
3/27/2019	0.22		
3/28/2019		0.39	
10/2/2019	0.21		
10/3/2019		0.36	
3/25/2020	0.21		
3/26/2020		0.38	
10/7/2020	0.18	0.35	
3/3/2021	0.2		
3/4/2021		0.34	
9/15/2021	0.17		
9/16/2021		0.31	
1/26/2022	0.2		
1/27/2022		0.36	0.19
8/24/2022	0.19	0.32	
8/26/2022			0.18
2/15/2023	0.17		
2/16/2023		0.31	0.16
9/19/2023	0.18		
9/21/2023		0.45	0.2
2/27/2024	0.17		
2/29/2024		0.32	0.17
8/13/2024	0.18		
8/15/2024		0.35	0.18
3/12/2025	0.19		
3/13/2025		0.34	0.18

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.0005			
10/18/2016			<0.0005	<0.0005
12/6/2016	<0.0005		<0.0005	
12/7/2016				<0.0005
3/21/2017	<0.0005		<0.0005	
3/23/2017				<0.0005
7/11/2017	<0.0005		<0.0005	<0.0005
10/17/2017	<0.0005		<0.0005	<0.0005
2/20/2018	<0.0005		<0.0005	<0.0005
4/12/2018		<0.0005		
5/23/2018		<0.0005		
6/13/2018		<0.0005		
7/11/2018	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2018		<0.0005		
9/12/2018	<0.0005	<0.0005	<0.0005	
9/13/2018				<0.0005
10/4/2018		<0.0005		
10/24/2018		<0.0005		
8/20/2019	<0.0005			<0.0005
8/21/2019		<0.0005	<0.0005	
8/25/2020	<0.0005		<0.0005	<0.0005
8/26/2020		<0.0005		
9/14/2021	<0.0005	<0.0005		<0.0005
9/15/2021			<0.0005	
1/25/2022	<0.0005	<0.0005		
1/26/2022			<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023	<0.0005	<0.0005	<0.0005	<0.0005
9/19/2023	<0.0005	<0.0005	<0.0005	<0.0005
2/27/2024		<0.0005		<0.0005
2/28/2024	<0.0005		<0.0005	
8/13/2024	<0.0005	<0.0005	<0.0005	<0.0005
3/11/2025	0.00016 (J)	<0.0005	<0.0005	
3/12/2025				<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.0005		
9/1/2016	<0.0005		<0.0005	
9/6/2016				<0.0005
12/7/2016	<0.0005	<0.0005	<0.0005	<0.0005
3/21/2017		<0.0005		
3/22/2017	<0.0005		<0.0005	<0.0005
7/11/2017		<0.0005		<0.0005
7/12/2017	<0.0005		<0.0005	
10/18/2017		<0.0005	<0.0005	<0.0005
10/19/2017	<0.0005			
2/20/2018		<0.0005		
2/21/2018	<0.0005		<0.0005	<0.0005
7/11/2018		<0.0005		
7/12/2018	<0.0005		<0.0005	<0.0005
9/12/2018		<0.0005		
9/13/2018	<0.0005		<0.0005	<0.0005
8/21/2019		<0.0005	<0.0005	<0.0005
8/22/2019	<0.0005			
8/26/2020	<0.0005	<0.0005	<0.0005	<0.0005
9/15/2021		<0.0005	<0.0005	<0.0005
9/16/2021	<0.0005			
1/26/2022		<0.0005	<0.0005	<0.0005
1/27/2022	<0.0005			
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023		<0.0005		
2/15/2023	<0.0005		<0.0005	<0.0005
9/19/2023				<0.0005
9/20/2023	<0.0005	<0.0005	<0.0005	
2/28/2024	<0.0005		<0.0005	
2/29/2024		<0.0005		<0.0005
8/14/2024		<0.0005	<0.0005	<0.0005
8/15/2024	<0.0005			
3/12/2025		<0.0005		<0.0005
3/13/2025	<0.0005		<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				0.0002 (J)
9/7/2016	<0.0005	<0.0005	<0.0005	
12/7/2016				0.0002 (J)
12/8/2016	<0.0005	<0.0005	<0.0005	
3/21/2017				<0.0005
3/22/2017	<0.0005	<0.0005		
3/23/2017			<0.0005	
7/11/2017				<0.0005
7/12/2017	<0.0005	<0.0005	<0.0005	
10/18/2017	<0.0005	<0.0005		<0.0005
10/19/2017			<0.0005	
2/20/2018				<0.0005
2/21/2018	<0.0005	<0.0005	<0.0005	
7/11/2018				<0.0005
7/12/2018			<0.0005	
8/15/2018		<0.0005		
8/16/2018	<0.0005			
9/13/2018		<0.0005		<0.0005
9/14/2018	<0.0005		<0.0005	
8/21/2019				<0.0005
8/22/2019	<0.0005	<0.0005	<0.0005	
8/26/2020	<0.0005		<0.0005	<0.0005
8/27/2020		<0.0005		
9/15/2021				<0.0005
9/16/2021	<0.0005	<0.0005	<0.0005	
1/26/2022				<0.0005
1/27/2022	<0.0005	<0.0005	<0.0005	
8/25/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/14/2023				<0.0005
2/15/2023		<0.0005	<0.0005	
2/16/2023	<0.0005			
9/20/2023	<0.0005	<0.0005	<0.0005	<0.0005
2/28/2024				<0.0005
2/29/2024	<0.0005	<0.0005	<0.0005	
8/14/2024		<0.0005	<0.0005	<0.0005
8/15/2024	<0.0005			
3/12/2025	<0.0005	<0.0005	<0.0005	
3/13/2025				<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.0005		
12/8/2016	<0.0005	<0.0005	
3/22/2017	<0.0005		
3/23/2017		0.0001 (J)	
7/11/2017	<0.0005		
7/12/2017		<0.0005	
10/18/2017	<0.0005		
10/19/2017		<0.0005	
2/21/2018	<0.0005	<0.0005	
7/12/2018	<0.0005	<0.0005	
9/13/2018	<0.0005		
9/14/2018		<0.0005	
10/4/2018		<0.0005	
8/21/2019	<0.0005		
8/22/2019		<0.0005	
8/26/2020	<0.0005	<0.0005	
9/15/2021	<0.0005		
9/16/2021		<0.0005	
1/26/2022	<0.0005		
1/27/2022		<0.0005	<0.0005
8/24/2022	<0.0005	<0.0005	
8/26/2022			<0.0005
2/15/2023	<0.0005		
2/16/2023		<0.0005	<0.0005
9/19/2023	<0.0005		
9/21/2023		<0.0005	<0.0005
2/27/2024	<0.0005		
2/29/2024		<0.0005	<0.0005
8/13/2024	<0.0005		
8/15/2024		<0.0005	<0.0005
3/12/2025	<0.0005		
3/13/2025		<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	40.4			
10/18/2016			88.3	57.2
12/6/2016	43.3		83.4	
12/7/2016				52.8
3/21/2017	44.1		94	
3/23/2017				59.1
7/11/2017	47.4		86	59.7
10/17/2017	48.7		91.6	64.9
2/20/2018	46.8		86.5	64.1
4/12/2018		<25		
5/23/2018		17.6 (J)		
6/13/2018		14.3		
7/11/2018	65.3	15.6	95.4	60.4
8/17/2018		27		
9/12/2018	46.6	26.9	86	
9/13/2018				58.7
10/4/2018		25		
10/24/2018		23.8		
3/26/2019	43.3		87.3	
3/27/2019		26.1		54.6
10/1/2019	46.8			64.3
10/2/2019		21	95.5	
3/24/2020	48	26.5		
3/25/2020			95.8	66.6
10/6/2020	50.5	22.7	98.8	62.8
3/3/2021	54.7		104	64.8
3/8/2021		41.7		
9/14/2021	51	13.4		67.8
9/15/2021			101	
1/25/2022	53.1	20.7		
1/26/2022			102	69.2
8/24/2022	45.8	27.3	95.2	67.1
2/14/2023	56.2	30.2	99.9	69.3
9/19/2023	44.7	13.7	86.9	64.6
2/27/2024		19.2		67.5
2/28/2024	55		99.9	
8/13/2024	48.5	14.5	93.2	67.6
3/11/2025	47.9	20.8	92.3	
3/12/2025				66.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		92.9		
9/1/2016	101		74.8	
9/6/2016				74.6
12/7/2016	103	93.1	74	68.9
3/21/2017		95		
3/22/2017	111		99.3	77.8
7/11/2017		97.1		77.3
7/12/2017	119		91.4	
10/18/2017		100	92	84.7
10/19/2017	107			
2/20/2018		93.1		
2/21/2018	118		89	81.8
7/11/2018		111		
7/12/2018	121		94.5	85.2
9/12/2018		99.3		
9/13/2018	116		90.8	80.2
3/27/2019		105		90.5
3/28/2019	124		100	
10/2/2019		103	101	89.1
10/3/2019	127			
3/25/2020		105		
3/26/2020	122		103	89.8
10/6/2020		111		84
10/7/2020	109		93.5	
3/3/2021		114		
3/4/2021	122		107	90.9
9/15/2021		106	94	91
9/16/2021	109			
1/26/2022		114	100	90.1
1/27/2022	112			
8/25/2022	107	108	96.7	92
2/14/2023		103		
2/15/2023	114		98.1	88.5
9/19/2023				83.3
9/20/2023	94.3	98.2	89.3	
2/28/2024	104		95.4	
2/29/2024		103		89.9
8/14/2024		100	98	97.5
8/15/2024	104			
3/12/2025		100		93.4
3/13/2025	95.8		92.8	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				132
9/7/2016	100	112	138	
12/7/2016				125
12/8/2016	102	113	135	
3/21/2017				138
3/22/2017	113	122		
3/23/2017			137	
7/11/2017				139
7/12/2017	110	129	145	
10/18/2017	122	125		144
10/19/2017			140	
2/20/2018				142
2/21/2018	107	118	145	
7/11/2018				159
7/12/2018			140	
8/15/2018		123		
8/16/2018	113			
9/13/2018		123		136
9/14/2018	108		124	
3/27/2019		134		152
3/28/2019	123		164	
9/10/2019				137
10/2/2019	115			
10/3/2019		139	125	
3/25/2020	121			157
3/26/2020		138	158	
10/6/2020				144
10/7/2020	112	129	144	
3/3/2021			142	154
3/4/2021	113	138		
9/15/2021				147
9/16/2021	102	135	137	
1/26/2022				152
1/27/2022	104	142	133	
8/25/2022	99.5	141	156	145
2/14/2023				139
2/15/2023		164	144	
2/16/2023	94.1			
9/20/2023	73.3	129	143	131
2/28/2024				144
2/29/2024	87.8	152	146	
8/14/2024		139	118	141
8/15/2024	71.2			
3/12/2025	74.6	142	137	
3/13/2025				137

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	85.2		
12/8/2016	84.5	117	
3/22/2017	85.3		
3/23/2017		122	
7/11/2017	93		
7/12/2017		124	
10/18/2017	87.6		
10/19/2017		118	
2/21/2018	93.9	122	
7/12/2018	87.1	129	
9/13/2018	85.8		
9/14/2018		123	
10/4/2018		126	
3/27/2019	95.2		
3/28/2019		117	
10/2/2019	92.3		
10/3/2019		110	
3/25/2020	97.5		
3/26/2020		122	
10/7/2020	84.2	94.7	
3/3/2021	96.8		
3/4/2021		106	
9/15/2021	84.4		
9/16/2021		92	
1/26/2022	90.2		
1/27/2022		92.5	106
8/24/2022	87.6	96.5	
8/26/2022			95.5
2/15/2023	86.9		
2/16/2023		92.2	91.6
9/19/2023	80.3		
9/21/2023		81.4	79.5
2/27/2024	94.6		
2/29/2024		100	101
8/13/2024	88.7		
8/15/2024		99.2	98.3
3/12/2025	90.7		
3/13/2025		97.8	96.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	3.1			
10/18/2016			4.5	3.5
12/6/2016	3.4		5	
12/7/2016				3.2
3/21/2017	2.9		4.3	
3/23/2017				2.9
7/11/2017	3.4		4.7	3.1
10/17/2017	3.3		4.6	3
2/20/2018	3.3		4.4	3
4/12/2018		2.6		
5/23/2018		2.5		
6/13/2018		2.5		
7/11/2018	2.9	2.6	4	2.8
8/17/2018		2.6		
9/12/2018	2.8	2.3	3.7	
9/13/2018				2.2
10/4/2018		2.7		
10/24/2018		2.8		
3/26/2019	3.3		3.8	
3/27/2019		2.5		3.1
10/1/2019	3.6			3.1
10/2/2019		2.7	4.3	
3/24/2020	2.8	2.2		
3/25/2020			3	2.2
10/6/2020	3	2.3	3.4	2.3
3/3/2021	2.8		3.1	2.2
3/8/2021		2.4		
9/14/2021	2.9	2.5		2.2
9/15/2021			2.8	
1/25/2022	2.9	2.4		
1/26/2022			3.2	2.4
8/24/2022	2.6	2.1	3	2.7
2/14/2023	3	2.6	3.3	2.7
9/19/2023	2.9	2.3	3.4	2.6
2/27/2024		2.4		2.5
2/28/2024	2.8		3.1	
8/13/2024	2.9	2.4	3.2	2.5
3/11/2025	3.1	2.6	3.5	
3/12/2025				2.6

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		4.9		
9/1/2016	7.4		7	
9/6/2016				7.9
12/7/2016	7.6	4.8	7	7.6
3/21/2017		4.9		
3/22/2017	7.2		7.4	7.7
7/11/2017		5		8.1
7/12/2017	7.3		8	
10/18/2017		5.1	7.8	8.2
10/19/2017	7.4			
2/20/2018		5.1		
2/21/2018	7.6		7.2	7.3
7/11/2018		4.9		
7/12/2018	7.1		7.5	7.2
9/12/2018		4.8		
9/13/2018	6.6		6.8	7.3
3/27/2019		5.2		7.3
3/28/2019	6.4		7.4	
10/2/2019		5.4	8	7.7
10/3/2019	5.9			
3/25/2020		4.2		
3/26/2020	4.8		7	7
10/6/2020		4.4		6.4
10/7/2020	3.9		6.6	
3/3/2021		4.2		
3/4/2021	4		6.3	5.9
9/15/2021		3.9	5.8	5.6
9/16/2021	3.3			
1/26/2022		4.4	6.3	6.1
1/27/2022	3.8			
8/25/2022	4.1	4.6	6.4	6.3
2/14/2023		4.5		
2/15/2023	4.3		6.2	6.2
9/19/2023				5.9
9/20/2023	3.4	4.3	6.2	
2/28/2024	3.3		5.9	
2/29/2024		4.3		5.9
8/14/2024		4.4	6.1	5.9
8/15/2024	3.3			
3/12/2025		4.6		6.1
3/13/2025	3.1		5.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				5.1
9/7/2016	7.7	6.9	6.8	
12/7/2016				5.2
12/8/2016	7.2	6.8	6.6	
3/21/2017				5.5
3/22/2017	7.3	6.8		
3/23/2017			6.6	
7/11/2017				5.7
7/12/2017	7.4	6.7	6.6	
10/18/2017	7.6	6.8		5.1
10/19/2017			6.5	
2/20/2018				5.5
2/21/2018	7.4	7.1	7.6	
7/11/2018				5.1
7/12/2018			6.3	
8/15/2018		6.7		
8/16/2018	7.5			
9/13/2018		6.7		5
9/14/2018	7.7		6.1	
3/27/2019		6.5		4.7
3/28/2019	7.3		6.4	
9/10/2019				3.8
10/2/2019	7.9			
10/3/2019		7	5.6	
3/25/2020	6.1			6.4
3/26/2020		5.7	5.4	
10/6/2020				7
10/7/2020	5.7	5	4.5	
3/3/2021			4	4.7
3/4/2021	4.2	5.1		
9/15/2021				2.8
9/16/2021	4.2	4.7	3.5	
1/26/2022				3.6
1/27/2022	3.8	4.9	3.7	
8/25/2022	3.9	4.6	4.6	3.2
2/14/2023				3.8
2/15/2023		4.5	4.1	
2/16/2023	3.1			
9/20/2023	2.1	4.2	4.1	2.8
2/28/2024				3.6
2/29/2024	2.4	4.1	3.3	
8/14/2024		4.2	2.5	2.8
8/15/2024	1.3			
3/12/2025	1.8	4.3	4.3	
3/13/2025				3.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	4		
12/8/2016	3.6	6.9	
3/22/2017	3.3		
3/23/2017		6.2	
7/11/2017	3		
7/12/2017		6	
10/18/2017	2.9		
10/19/2017		6.4	
2/21/2018	2.9	6.9	
7/12/2018	2.6	7.3	
9/13/2018	2.3		
9/14/2018		7.3	
10/4/2018		7	
3/27/2019	2.4		
3/28/2019		4.8	
10/2/2019	2.6		
10/3/2019		4.1	
3/25/2020	1.6		
3/26/2020		2.9	
10/7/2020	1.8	2	
3/3/2021	1.6		
3/4/2021		1.8	
9/15/2021	1.8		
9/16/2021		1.5	
1/26/2022	1.7		
1/27/2022		1.8	3.2
8/24/2022	1.8	1.8	
8/26/2022			2.4
2/15/2023	1.8		
2/16/2023		2.3	2.2
9/19/2023	1.6		
9/21/2023		2.8	2
2/27/2024	1.5		
2/29/2024		2.7	1.9
8/13/2024	1.6		
8/15/2024		2.9	2
3/12/2025	1.8		
3/13/2025		3	1.9

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.0039 (J)			
10/18/2016			<0.005	<0.005
12/6/2016	0.0047 (J)		<0.005	
12/7/2016				<0.005
3/21/2017	0.0047 (J)		0.0006 (J)	
3/23/2017				0.0005 (J)
7/11/2017	0.0054 (J)		0.0006 (J)	<0.005
10/17/2017	0.0053 (J)		0.0008 (J)	0.0005 (J)
2/20/2018	0.0029 (J)		<0.005	<0.005
4/12/2018		0.01		
5/23/2018		0.011		
6/13/2018		0.011		
7/11/2018	0.0057 (J)	0.0096 (J)	<0.005	<0.005
8/17/2018		0.0078 (J)		
9/12/2018	0.0033 (J)	0.0056 (J)	<0.005	
9/13/2018				<0.005
10/4/2018		0.0057 (J)		
10/24/2018		0.0058 (J)		
8/20/2019	0.0028 (J)			0.00044 (J)
8/21/2019		0.0057 (J)	0.0016 (J)	
10/1/2019	0.0022 (J)			<0.005
10/2/2019		0.0049 (J)	0.00043 (J)	
3/24/2020	0.0036 (J)	0.0047 (J)		
3/25/2020			0.0013 (J)	0.00086 (J)
8/25/2020	0.003 (J)		0.0011 (J)	0.001 (J)
8/26/2020		0.004 (J)		
10/6/2020	0.0021 (J)	0.0065 (J)	0.0013 (J)	0.00072 (J)
3/3/2021	0.0018 (J)		0.0015 (J)	<0.005
3/8/2021		0.0028 (J)		
9/14/2021	0.002 (J)	0.0084		<0.005
9/15/2021			0.0014 (J)	
1/25/2022	0.0025 (J)	0.0098		
1/26/2022			0.0015 (J)	<0.005
8/24/2022	0.0025 (J)	0.0066	0.0015 (J)	<0.005
2/14/2023	0.0015 (J)	0.0041 (J)	0.0011 (J)	<0.005
9/19/2023	0.0015 (J)	0.0071	0.0012 (J)	<0.005
2/27/2024		0.009		<0.005
2/28/2024	<0.005		<0.005	
8/13/2024	<0.005	0.0079	<0.005	<0.005
3/11/2025	<0.005	0.0068	0.0015 (J)	
3/12/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.005		
9/1/2016	<0.01		<0.005	
9/6/2016				<0.005
12/7/2016	0.003 (J)	<0.005	<0.005	<0.005
3/21/2017		<0.005		
3/22/2017	0.0005 (J)		<0.005	0.0008 (J)
7/11/2017		<0.005		<0.005
7/12/2017	<0.01		<0.005	
10/18/2017		<0.005	<0.005	<0.005
10/19/2017	0.0005 (J)			
2/20/2018		<0.005		
2/21/2018	<0.01		<0.005	<0.005
7/11/2018		<0.005		
7/12/2018	<0.01		<0.005	<0.005
9/12/2018		<0.005		
9/13/2018	<0.01		<0.005	<0.005
8/21/2019		0.00073 (J)	0.00048 (J)	0.00095 (J)
8/22/2019	0.0013 (J)			
10/2/2019		<0.005	<0.005	0.00044 (J)
10/3/2019	0.0004 (J)			
3/25/2020		0.0013 (J)		
3/26/2020	0.0016 (J)		<0.005	0.0013 (J)
8/26/2020	0.0011 (J)	0.0011 (J)	<0.005	0.00087 (J)
10/6/2020		0.00098 (J)		0.0011 (J)
10/7/2020	0.0014 (J)		<0.005	
3/3/2021		0.00097 (J)		
3/4/2021	0.0024 (J)		<0.005	0.0012 (J)
9/15/2021		0.0014 (J)	<0.005	0.0011 (J)
9/16/2021	0.0025 (J)			
1/26/2022		0.0012 (J)	<0.005	0.0013 (J)
1/27/2022	0.0034 (J)			
8/25/2022	0.0024 (J)	0.0014 (J)	<0.005	0.0012 (J)
2/14/2023		0.0018 (J)		
2/15/2023	0.0034 (J)		<0.005	<0.005
9/19/2023				<0.005
9/20/2023	0.0022 (J)	0.002 (J)	<0.005	
2/28/2024	0.0025 (J)		<0.005	
2/29/2024		<0.005		<0.005
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	0.0026 (J)			
3/12/2025		0.0015 (J)		0.0013 (J)
3/13/2025	0.0021 (J)		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.005
9/7/2016	<0.005	<0.005	<0.005	
12/7/2016				<0.005
12/8/2016	<0.005	<0.005	<0.005	
3/21/2017				0.0009 (J)
3/22/2017	<0.005	<0.005		
3/23/2017			<0.005	
7/11/2017				0.0016 (J)
7/12/2017	<0.005	<0.005	<0.005	
10/18/2017	<0.005	<0.005		0.0019 (J)
10/19/2017			<0.005	
2/20/2018				<0.005
2/21/2018	<0.005	<0.005	<0.005	
7/11/2018				0.0021 (J)
7/12/2018			<0.005	
8/15/2018		<0.005		
8/16/2018	<0.005			
9/13/2018		<0.005		0.0022 (J)
9/14/2018	<0.005		<0.005	
8/21/2019				0.0024 (J)
8/22/2019	<0.005	0.00081 (J)	<0.005	
9/10/2019				0.0044 (J)
10/2/2019	<0.005			
10/3/2019		<0.005	<0.005	
3/25/2020	<0.005			0.0012 (J)
3/26/2020		0.00056 (J)	0.00073 (J)	
8/26/2020	<0.005		<0.005	0.0014 (J)
8/27/2020		<0.005		
10/6/2020				0.0015 (J)
10/7/2020	<0.005	<0.005	<0.005	
3/3/2021			<0.005	0.0015 (J)
3/4/2021	<0.005	<0.005		
9/15/2021				0.0019 (J)
9/16/2021	<0.005	<0.005	<0.005	
1/26/2022				0.0028 (J)
1/27/2022	<0.005	<0.005	<0.005	
8/25/2022	<0.005	<0.005	<0.005	0.0022 (J)
2/14/2023				0.0024 (J)
2/15/2023		<0.005	<0.005	
2/16/2023	<0.005			
9/20/2023	<0.005	<0.005	<0.005	0.002 (J)
2/28/2024				0.002 (J)
2/29/2024	<0.005	<0.005	<0.005	
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	<0.005			
3/12/2025	<0.005	<0.005	<0.005	
3/13/2025				0.0028 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.005		
12/8/2016	<0.005	<0.005	
3/22/2017	<0.005		
3/23/2017		0.0017 (J)	
7/11/2017	<0.005		
7/12/2017		<0.005	
10/18/2017	<0.005		
10/19/2017		<0.005	
2/21/2018	<0.005	<0.005	
7/12/2018	<0.005	<0.005	
9/13/2018	<0.005		
9/14/2018		<0.005	
10/4/2018		<0.005	
8/21/2019	<0.005		
8/22/2019		<0.005	
10/2/2019	<0.005		
10/3/2019		<0.005	
3/25/2020	<0.005		
3/26/2020		<0.005	
8/26/2020	<0.005	<0.005	
10/7/2020	<0.005	<0.005	
3/3/2021	<0.005		
3/4/2021		<0.005	
9/15/2021	<0.005		
9/16/2021		<0.005	
1/26/2022	<0.005		
1/27/2022		<0.005	<0.005
8/24/2022	<0.005	<0.005	
8/26/2022			<0.005
2/15/2023	<0.005		
2/16/2023		<0.005	<0.005
9/19/2023	<0.005		
9/21/2023		<0.005	0.0013 (J)
2/27/2024	<0.005		
2/29/2024		<0.005	0.0032 (J)
8/13/2024	<0.005		
8/15/2024		<0.005	0.0044 (J)
3/12/2025	<0.005		
3/13/2025		<0.005	0.0059

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.005			
10/18/2016			<0.005	<0.005
12/6/2016	<0.005		0.0018 (J)	
12/7/2016				0.0015 (J)
3/21/2017	<0.005		<0.005	
3/23/2017				<0.005
7/11/2017	<0.005		<0.005	<0.005
10/17/2017	<0.005		<0.005	<0.005
2/20/2018	<0.005		<0.005	<0.005
4/12/2018		<0.005		
5/23/2018		<0.005		
6/13/2018		<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005
8/17/2018		<0.005		
9/12/2018	<0.005	<0.005	<0.005	
9/13/2018				<0.005
10/4/2018		<0.005		
10/24/2018		<0.005		
8/20/2019	<0.005			<0.005
8/21/2019		<0.005	<0.005	
10/1/2019	<0.005			<0.005
10/2/2019		<0.005	<0.005	
3/24/2020	<0.005	<0.005		
3/25/2020			<0.005	<0.005
8/25/2020	<0.005		<0.005	<0.005
8/26/2020		<0.005		
10/6/2020	<0.005	<0.005	<0.005	<0.005
3/3/2021	<0.005		<0.005	<0.005
3/8/2021		<0.005		
9/14/2021	<0.005	<0.005		<0.005
9/15/2021			<0.005	
1/25/2022	<0.005	<0.005		
1/26/2022			<0.005	<0.005
8/24/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005
9/19/2023	<0.005	<0.005	<0.005	<0.005
2/27/2024		<0.005		<0.005
2/28/2024	0.00037 (J)		<0.005	
8/13/2024	<0.005	<0.005	<0.005	<0.005
3/11/2025	<0.005	<0.005	<0.005	
3/12/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.005		
9/1/2016	<0.005		0.0012 (J)	
9/6/2016				0.0005 (J)
12/7/2016	<0.005	0.002 (J)	0.0005 (J)	<0.005
3/21/2017		<0.005		
3/22/2017	<0.005		0.0005 (J)	<0.005
7/11/2017		0.0003 (J)		<0.005
7/12/2017	<0.005		0.0004 (J)	
10/18/2017		<0.005	0.0004 (J)	<0.005
10/19/2017	<0.005			
2/20/2018		<0.005		
2/21/2018	<0.005		<0.005	<0.005
7/11/2018		<0.005		
7/12/2018	<0.005		<0.005	<0.005
9/12/2018		<0.005		
9/13/2018	<0.005		<0.005	<0.005
8/21/2019		<0.005	<0.005	<0.005
8/22/2019	<0.005			
10/2/2019		<0.005	<0.005	<0.005
10/3/2019	<0.005			
3/25/2020		<0.005		
3/26/2020	<0.005		<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005	<0.005
10/6/2020		<0.005		<0.005
10/7/2020	<0.005		<0.005	
3/3/2021		<0.005		
3/4/2021	<0.005		<0.005	<0.005
9/15/2021		<0.005	<0.005	<0.005
9/16/2021	<0.005			
1/26/2022		<0.005	<0.005	<0.005
1/27/2022	<0.005			
8/25/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023		<0.005		
2/15/2023	<0.005		<0.005	<0.005
9/19/2023				<0.005
9/20/2023	<0.005	<0.005	<0.005	
2/28/2024	<0.005		<0.005	
2/29/2024		<0.005		<0.005
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	<0.005			
3/12/2025		<0.005		<0.005
3/13/2025	<0.005		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.005
9/7/2016	0.0011 (J)	0.0011 (J)	0.0012 (J)	
12/7/2016				0.0008 (J)
12/8/2016	0.0006 (J)	<0.005	0.0009 (J)	
3/21/2017				<0.005
3/22/2017	0.0006 (J)	<0.005		
3/23/2017			<0.005	
7/11/2017				<0.005
7/12/2017	0.0005 (J)	<0.005	<0.005	
10/18/2017	0.0005 (J)	<0.005		<0.005
10/19/2017			<0.005	
2/20/2018				<0.005
2/21/2018	<0.005	<0.005	<0.005	
7/11/2018				<0.005
7/12/2018			<0.005	
8/15/2018		<0.005		
8/16/2018	<0.005			
9/13/2018		<0.005		<0.005
9/14/2018	<0.005		<0.005	
8/21/2019				<0.005
8/22/2019	<0.005	<0.005	<0.005	
9/10/2019				<0.005
10/2/2019	<0.005			
10/3/2019		<0.005	<0.005	
3/25/2020	0.00032 (J)			0.0003 (J)
3/26/2020		<0.005	<0.005	
8/26/2020	<0.005		<0.005	0.00058 (J)
8/27/2020		<0.005		
10/6/2020				0.00067 (J)
10/7/2020	<0.005	<0.005	<0.005	
3/3/2021			<0.005	0.00049 (J)
3/4/2021	<0.005	<0.005		
9/15/2021				<0.005
9/16/2021	<0.005	<0.005	<0.005	
1/26/2022				<0.005
1/27/2022	<0.005	<0.005	<0.005	
8/25/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023				<0.005
2/15/2023		<0.005	<0.005	
2/16/2023	<0.005			
9/20/2023	<0.005	<0.005	<0.005	<0.005
2/28/2024				<0.005
2/29/2024	<0.005	<0.005	<0.005	
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	<0.005			
3/12/2025	<0.005	<0.005	<0.005	
3/13/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.0008 (J)		
12/8/2016	<0.005	0.0041 (J)	
3/22/2017	0.001 (J)		
3/23/2017		0.0008 (J)	
7/11/2017	0.001 (J)		
7/12/2017		0.0007 (J)	
10/18/2017	0.0011 (J)		
10/19/2017		0.0005 (J)	
2/21/2018	0.00075 (J)	0.0012 (J)	
7/12/2018	0.0008 (J)	0.00053 (J)	
9/13/2018	0.001 (J)		
9/14/2018		<0.005	
10/4/2018		<0.005	
8/21/2019	0.0015 (J)		
8/22/2019		<0.005	
10/2/2019	0.0017 (J)		
10/3/2019		<0.005	
3/25/2020	0.0018 (J)		
3/26/2020		<0.005	
8/26/2020	0.0016 (J)	<0.005	
10/7/2020	0.0014 (J)	<0.005	
3/3/2021	0.0016 (J)		
3/4/2021		<0.005	
9/15/2021	0.002 (J)		
9/16/2021		<0.005	
1/26/2022	0.0016 (J)		
1/27/2022		<0.005	0.0043 (J)
8/24/2022	0.0016 (J)	<0.005	
8/26/2022			0.0012 (J)
2/15/2023	0.0012 (J)		
2/16/2023		<0.005	0.00051 (J)
9/19/2023	0.0017 (J)		
9/21/2023		<0.005	<0.005
2/27/2024	0.0017 (J)		
2/29/2024		<0.005	<0.005
8/13/2024	0.0021 (J)		
8/15/2024		<0.005	<0.005
3/12/2025	<0.005		
3/13/2025		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.503 (U)			
10/18/2016			0.0311 (U)	0.0333 (U)
12/6/2016	0.302 (U)		0.301 (U)	
12/7/2016				0.507 (U)
3/21/2017	0.526 (U)		0.506 (U)	
3/23/2017				0.378 (U)
7/11/2017	0.676 (U)		0.0701 (U)	1.04
10/17/2017	0.201 (U)		0.412 (U)	0.779 (U)
2/20/2018	1.07 (U)		0.81 (U)	0.906 (U)
4/12/2018		0.774 (U)		
5/23/2018		0.301 (U)		
6/13/2018		0.508 (U)		
7/11/2018	0.825 (U)	1.66	0.749 (U)	0.505 (U)
8/17/2018		0.683 (U)		
9/12/2018	0.317 (U)	0.217 (U)	0.2 (U)	
9/13/2018				0.313 (U)
10/4/2018		1.14		
10/24/2018		0.441 (U)		
8/20/2019	0.595 (U)			0.334 (U)
8/21/2019		0.71 (U)	1.2	
10/1/2019	0.953 (U)			1.01 (U)
10/2/2019		0.712 (U)	0.0883 (U)	
3/24/2020	2.23	0.898 (U)		
3/25/2020			1.79	0.333 (U)
8/25/2020	0.777 (U)		0.405 (U)	0.34 (U)
8/26/2020		0.605 (U)		
10/6/2020	0.996 (U)	0.929 (U)	0.276 (U)	0.371 (U)
3/3/2021	0.915 (U)		0.907 (U)	0.836 (U)
3/8/2021		0.475 (U)		
9/14/2021	0.532 (U)	0.972 (U)		0.68 (U)
9/15/2021			0.0517 (U)	
1/25/2022	0.32 (U)	0.146 (U)		
1/26/2022			0.0386 (U)	0.449 (U)
8/24/2022	0.196 (U)	0.0268 (U)	0.781 (U)	0.342 (U)
2/14/2023	0.319 (U)	0.486 (U)	0.102 (U)	0.151 (U)
9/19/2023	0.55 (U)	0.769 (U)	1.07 (U)	0.804 (U)
2/27/2024		0.588 (U)		1.41
2/28/2024	0.498 (U)		0.186 (U)	
8/13/2024	0 (U)	0.159 (U)	0.334 (U)	0.394 (U)
3/11/2025	0.417 (U)	0.777 (U)	0.631 (U)	
3/12/2025				0.281 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		1.77		
9/1/2016	0.88 (U)		1.19	
9/6/2016				1.12
12/7/2016	0.179 (U)	0.672 (U)	1.88	1.37
3/21/2017		0.33 (U)		
3/22/2017	0.279 (U)		0.617 (U)	0.435 (U)
7/11/2017		0.701 (U)		0.76 (U)
7/12/2017	0.125 (U)		0.674 (U)	
10/18/2017		0.808 (U)	0.844 (U)	0.847 (U)
10/19/2017	0.329 (U)			
2/20/2018		2.12		
2/21/2018	0.504 (U)		0.842 (U)	0.373 (U)
7/11/2018		0.232 (U)		
7/12/2018	0.188 (U)		0.552 (U)	0.408 (U)
9/12/2018		0.532 (U)		
9/13/2018	0.0542 (U)		0.662 (U)	0.472 (U)
8/21/2019		0.705 (U)	1.86	0.453 (U)
8/22/2019	0.672 (U)			
10/2/2019		0.915 (U)	1 (U)	0.65 (U)
10/3/2019	1.37			
3/25/2020		0.694 (U)		
3/26/2020	0.43 (U)		0.863 (U)	0.522 (U)
8/26/2020	0.572 (U)	0.115 (U)	0.681 (U)	0.499 (U)
10/6/2020		0.265 (U)		1.12 (U)
10/7/2020	0.232 (U)		1.22 (U)	
3/3/2021		0.328 (U)		
3/4/2021	0.529 (U)		0.674 (U)	0.404 (U)
9/15/2021		0.872 (U)	0.729 (U)	0.721 (U)
9/16/2021	0.382 (U)			
1/26/2022		0.185 (U)	0.879 (U)	0.117 (U)
1/27/2022	0.315 (U)			
8/25/2022	0.771 (U)	0.453 (U)	1.05	0.728 (U)
2/14/2023		0.0857 (U)		
2/15/2023	0.496 (U)		0.875 (U)	0.137 (U)
9/19/2023				0.531 (U)
9/20/2023	0.623 (U)	0.707 (U)	0.644 (U)	
2/28/2024	0.676 (U)		0.948 (U)	
2/29/2024		0.433 (U)		0.463 (U)
8/14/2024		0.071 (U)	0.747 (U)	0.937 (U)
8/15/2024	0.591 (U)			
3/12/2025		0.923 (U)		0.73 (U)
3/13/2025	0.253 (U)		0.832 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				1.85
9/7/2016	1.06 (U)	1.51	1.22	
12/7/2016				0.844 (U)
12/8/2016	1.3	1.29	1.69	
3/21/2017				0.832 (U)
3/22/2017	0.566 (U)	0.799 (U)		
3/23/2017			1.07	
7/11/2017				0.824 (U)
7/12/2017	0.856 (U)	0.4 (U)	0.849 (U)	
10/18/2017	0.957	0.613 (U)		1.19
10/19/2017			0.398 (U)	
2/20/2018				0.975 (U)
2/21/2018	1.4	0.736 (U)	1.03 (U)	
7/11/2018				1.29
7/12/2018			1.28 (U)	
8/15/2018		1.02 (U)		
8/16/2018	0.625 (U)			
9/13/2018		0.708 (U)		0.765 (U)
9/14/2018	1.16		0.74 (U)	
8/21/2019				2.31
8/22/2019	0.977 (U)	0.753 (U)	1.37	
9/10/2019				0.575 (U)
10/2/2019	1.34 (U)			
10/3/2019		2.07	1.9	
3/25/2020	0.385 (U)			1.39
3/26/2020		1.05	1.66	
8/26/2020	1.62		0.703 (U)	0.774 (U)
8/27/2020		0.0939 (U)		
10/6/2020				1.24 (U)
10/7/2020	0.432 (U)	0.365 (U)	0.893	
3/3/2021			0.469 (U)	1.01 (U)
3/4/2021	0.734 (U)	0.498 (U)		
9/15/2021				0.742 (U)
9/16/2021	0.377 (U)	0.681 (U)	1.4	
1/26/2022				0.76 (U)
1/27/2022	0.314 (U)	0.418 (U)	0.255 (U)	
8/25/2022	0.98 (U)	0.0434 (U)	0.937	0.396 (U)
2/14/2023				0.521 (U)
2/15/2023		0.828	0.652 (U)	
2/16/2023	0.129 (U)			
9/20/2023	0.684 (U)	0.784 (U)	1.02 (U)	0.235 (U)
2/28/2024				0.261 (U)
2/29/2024	0.621 (U)	0.228 (U)	0.744 (U)	
8/14/2024		0.365 (U)	0.684 (U)	1.15 (U)
8/15/2024	0.846 (U)			
3/12/2025	0.734 (U)	0.325 (U)	0.426 (U)	
3/13/2025				0.162 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	1.41		
12/8/2016	1.39	0.968 (U)	
3/22/2017	0.852 (U)		
3/23/2017		0.444 (U)	
7/11/2017	1.04		
7/12/2017		0.814 (U)	
10/18/2017	0.678 (U)		
10/19/2017		0.748 (U)	
2/21/2018	0.863 (U)	1.05 (U)	
7/12/2018	1.42	0.751 (U)	
9/13/2018	0.766 (U)		
9/14/2018		1.01 (U)	
10/4/2018		1.05	
8/21/2019	1.18 (U)		
8/22/2019		0.513 (U)	
10/2/2019	1.48		
10/3/2019		1.62 (U)	
3/25/2020	0.91 (U)		
3/26/2020		0.473 (U)	
8/26/2020	0.95 (U)	0.782 (U)	
10/7/2020	1.01 (U)	0.442 (U)	
3/3/2021	0.545 (U)		
3/4/2021		1.03 (U)	
9/15/2021	1.07 (U)		
9/16/2021		0.184 (U)	
1/26/2022	0.282 (U)		
1/27/2022		0.259 (U)	1.13
8/24/2022	0.764 (U)	0.764 (U)	
8/26/2022			0.488 (U)
2/15/2023	0.484 (U)		
2/16/2023		0.765	0.193 (U)
9/19/2023	1.21 (U)		
9/21/2023		0.809 (U)	0.401 (U)
2/27/2024	0.437 (U)		
2/29/2024		0.478 (U)	0.7 (U)
8/13/2024	0.818 (U)		
8/15/2024		0.387 (U)	0.8 (U)
3/12/2025	0.379 (U)		
3/13/2025		0.519 (U)	0.512 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	0.06 (J)			
10/18/2016			0.16 (J)	0.11 (J)
12/6/2016	0.06 (J)		0.15 (J)	
12/7/2016				0.07 (J)
3/21/2017	0.004 (J)		0.02 (J)	
3/23/2017				<0.1
7/11/2017	0.05 (J)		0.06 (J)	0.02 (J)
10/17/2017	<0.1		0.05 (J)	<0.1
2/20/2018	0.098 (J)		0.21 (J)	<0.1
4/12/2018		<0.1		
5/23/2018		0.063 (J)		
6/13/2018		0.11 (J)		
7/11/2018	<0.1	<0.1	0.087 (J)	<0.1
8/17/2018		<0.1		
9/12/2018	0.034 (J)	0.093 (J)	0.049 (J)	
9/13/2018				<0.1
10/4/2018		0.15 (J)		
10/24/2018		0.29 (J)		
3/26/2019	<0.1		<0.1	
3/27/2019		0.04 (J)		<0.1
8/20/2019	<0.1			<0.1
8/21/2019		0.046 (J)	<0.1	
10/1/2019	0.062 (J)			0.042 (J)
10/2/2019		0.11 (J)	0.057 (J)	
3/24/2020	<0.1	0.051 (J)		
3/25/2020			<0.1	<0.1
8/25/2020	<0.1		<0.1	<0.1
8/26/2020		0.057 (J)		
10/6/2020	<0.1	0.073 (J)	<0.1	<0.1
3/3/2021	<0.1		<0.1	<0.1
3/8/2021		<0.1		
9/14/2021	<0.1	0.089 (J)		<0.1
9/15/2021			<0.1	
1/25/2022	<0.1	0.071 (J)		
1/26/2022			<0.1	<0.1
8/24/2022	0.08 (J)	0.088 (J)	0.069 (J)	0.058 (J)
2/14/2023	0.063 (J)	0.076 (J)	0.059 (J)	<0.1
9/19/2023	0.06 (J)	0.094 (J)	0.053 (J)	<0.1
2/27/2024		0.084 (J)		<0.1
2/28/2024	<0.1		0.06 (J)	
8/13/2024	<0.1	0.083 (J)	<0.1	<0.1
3/11/2025	<0.1	0.052 (J)	<0.1	
3/12/2025				<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		0.13 (J)		
9/1/2016	<0.1		0.06 (J)	
9/6/2016				0.09 (J)
12/7/2016	0.15 (J)	0.07 (J)	0.09 (J)	0.09 (J)
3/21/2017		<0.1		
3/22/2017	0.09 (J)		0.11 (J)	0.04 (J)
7/11/2017		0.05 (J)		0.05 (J)
7/12/2017	0.02 (J)		0.23 (J)	
10/18/2017		0.11 (J)	0.19 (J)	0.04 (J)
10/19/2017	<0.1			
2/20/2018		0.04 (J)		
2/21/2018	0.045 (J)		0.093 (J)	<0.1
7/11/2018		<0.1		
7/12/2018	<0.1		<0.1	<0.1
9/12/2018		<0.1		
9/13/2018	<0.1		0.15 (J)	<0.1
3/27/2019		<0.1		<0.1
3/28/2019	<0.1		0.1 (J)	
8/21/2019		<0.1	0.044 (J)	<0.1
8/22/2019	<0.1			
10/2/2019		0.056 (J)	0.075 (J)	0.053 (J)
10/3/2019	0.041 (J)			
3/25/2020		<0.1		
3/26/2020	<0.1		0.056 (J)	<0.1
8/26/2020	<0.1	<0.1	<0.1	<0.1
10/6/2020		<0.1		<0.1
10/7/2020	<0.1		<0.1	
3/3/2021		<0.1		
3/4/2021	<0.1		<0.1	<0.1
9/15/2021		<0.1	<0.1	<0.1
9/16/2021	<0.1			
1/26/2022		<0.1	<0.1	<0.1
1/27/2022	<0.1			
8/25/2022	0.056 (J)	0.051 (J)	0.074 (J)	0.058 (J)
2/14/2023		<0.1		
2/15/2023	0.05 (J)		0.064 (J)	0.053 (J)
9/19/2023				<0.1
9/20/2023	<0.1	<0.1	0.064 (J)	
2/28/2024	<0.1		0.059 (J)	
2/29/2024		<0.1		<0.1
8/14/2024		<0.1	<0.1	<0.1
8/15/2024	<0.1			
3/12/2025		<0.1		<0.1
3/13/2025	<0.1		<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				0.13 (J)
9/7/2016	0.03 (J)	0.12 (J)	0.15 (J)	
12/7/2016				0.13 (J)
12/8/2016	0.18 (J)	0.18 (J)	0.12 (J)	
3/21/2017				0.05 (J)
3/22/2017	0.09 (J)	0.08 (J)		
3/23/2017			0.14 (J)	
7/11/2017				0.05 (J)
7/12/2017	0.21 (J)	0.17 (J)	0.07 (J)	
10/18/2017	0.24 (J)	0.06 (J)		<0.1
10/19/2017			<0.3	
2/20/2018				0.3 (J)
2/21/2018	0.24 (J)	0.086 (J)	0.37	
7/11/2018				0.077 (J)
7/12/2018			0.17 (J)	
8/15/2018		<0.1		
8/16/2018	0.073 (J)			
9/13/2018		<0.1		<0.1
9/14/2018	<0.1		<0.3	
3/27/2019		<0.1		<0.1
3/28/2019	0.15 (J)		0.074 (J)	
8/21/2019				<0.1
8/22/2019	0.11 (J)	<0.1	0.1 (J)	
9/10/2019				<0.1
10/2/2019	0.063 (J)			
10/3/2019		0.043 (J)	0.084 (J)	
3/25/2020	<0.1			0.066 (J)
3/26/2020		<0.1	0.077 (J)	
8/26/2020	<0.1		0.062 (J)	0.057 (J)
8/27/2020		<0.1		
10/6/2020				0.052 (J)
10/7/2020	<0.1	<0.1	0.064 (J)	
3/3/2021			0.058 (J)	<0.1
3/4/2021	<0.1	<0.1		
9/15/2021				<0.1
9/16/2021	0.052 (J)	<0.1	0.067 (J)	
1/26/2022				<0.1
1/27/2022	<0.1	<0.1	0.056 (J)	
8/25/2022	0.078 (J)	0.052 (J)	0.086 (J)	0.074 (J)
2/14/2023				0.084 (J)
2/15/2023		<0.1	0.086 (J)	
2/16/2023	0.077 (J)			
9/20/2023	0.073 (J)	<0.1	0.082 (J)	0.062 (J)
2/28/2024				0.07 (J)
2/29/2024	0.068 (J)	<0.1	0.078 (J)	
8/14/2024		<0.1	0.065 (J)	<0.1
8/15/2024	<0.1			
3/12/2025	<0.1	<0.1	0.055 (J)	
3/13/2025				<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.25 (J)		
12/8/2016	0.22 (J)	0.21 (J)	
3/22/2017	0.16 (J)		
3/23/2017		0.18 (J)	
7/11/2017	0.23 (J)		
7/12/2017		0.06 (J)	
10/18/2017	0.28 (J)		
10/19/2017		<0.1	
2/21/2018	0.29 (J)	0.039 (J)	
7/12/2018	0.21 (J)	<0.1	
9/13/2018	0.22 (J)		
9/14/2018		<0.1	
10/4/2018		0.15 (J)	
3/27/2019	0.37		
3/28/2019		<0.1	
8/21/2019	0.11 (J)		
8/22/2019		<0.1	
10/2/2019	0.16 (J)		
10/3/2019		0.06 (J)	
3/25/2020	0.13 (J)		
3/26/2020		<0.1	
8/26/2020	0.14	<0.1	
10/7/2020	0.13	<0.1	
3/3/2021	0.12		
3/4/2021		<0.1	
9/15/2021	0.14		
9/16/2021		<0.1	
1/26/2022	0.11		
1/27/2022		<0.1	0.057 (J)
8/24/2022	0.15	0.092 (J)	
8/26/2022			0.083 (J)
2/15/2023	0.16		
2/16/2023		0.082 (J)	0.077 (J)
9/19/2023	0.14		
9/21/2023		0.074 (J)	0.074 (J)
2/27/2024	0.13		
2/29/2024		0.068 (J)	0.067 (J)
8/13/2024	0.12		
8/15/2024		<0.1	<0.1
3/12/2025	0.13		
3/13/2025		<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.001			
10/18/2016			<0.001	0.0001 (J)
12/6/2016	<0.001		<0.001	
12/7/2016				<0.001
3/21/2017	<0.001		<0.001	
3/23/2017				0.0002 (J)
7/11/2017	<0.001		<0.001	<0.001
10/17/2017	0.0001 (J)		0.0005 (J)	7E-05 (J)
2/20/2018	<0.001		<0.001	<0.001
4/12/2018		<0.001		
5/23/2018		<0.001		
6/13/2018		<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001
8/17/2018		<0.001		
9/12/2018	<0.001	<0.001	<0.001	
9/13/2018				<0.001
10/4/2018		<0.001		
10/24/2018		<0.001		
8/20/2019	0.00021 (J)			<0.001
8/21/2019		<0.001	0.00011 (J)	
10/1/2019	<0.001			<0.001
10/2/2019		4.7E-05 (J)	8.1E-05 (J)	
3/24/2020	6.2E-05 (J)	<0.001		
3/25/2020			<0.001	<0.001
8/25/2020	6.5E-05 (J)		<0.001	6.3E-05 (J)
8/26/2020		<0.001		
10/6/2020	6.6E-05 (J)	<0.001	<0.001	<0.001
3/3/2021	5.5E-05 (J)		<0.001	<0.001
3/8/2021		6.2E-05 (J)		
9/14/2021	<0.001	<0.001		<0.001
9/15/2021			<0.001	
1/25/2022	<0.001	<0.001		
1/26/2022			<0.001	<0.001
8/24/2022	<0.001	<0.001	<0.001	<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001
9/19/2023	<0.001	<0.001	<0.001	<0.001
2/27/2024		<0.001		<0.001
2/28/2024	<0.001		<0.001	
8/13/2024	<0.001	<0.001	<0.001	<0.001
3/11/2025	<0.001	<0.001	<0.001	
3/12/2025				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.001		
9/1/2016	<0.001		<0.001	
9/6/2016				<0.001
12/7/2016	<0.001	<0.001	<0.001	<0.001
3/21/2017		<0.001		
3/22/2017	<0.001		5E-05 (J)	<0.001
7/11/2017		<0.001		<0.001
7/12/2017	<0.001		<0.001	
10/18/2017		<0.001	<0.001	<0.001
10/19/2017	<0.001			
2/20/2018		<0.001		
2/21/2018	<0.001		<0.001	<0.001
7/11/2018		<0.001		
7/12/2018	<0.001		<0.001	<0.001
9/12/2018		<0.001		
9/13/2018	<0.001		<0.001	<0.001
8/21/2019		6.4E-05 (J)	<0.001	<0.001
8/22/2019	<0.001			
10/2/2019		<0.001	<0.001	8.1E-05 (J)
10/3/2019	<0.001			
3/25/2020		<0.001		
3/26/2020	<0.001		<0.001	<0.001
8/26/2020	<0.001	<0.001	<0.001	<0.001
10/6/2020		<0.001		<0.001
10/7/2020	<0.001		<0.001	
3/3/2021		<0.001		
3/4/2021	4.1E-05 (J)		<0.001	<0.001
9/15/2021		<0.001	<0.001	<0.001
9/16/2021	<0.001			
1/26/2022		<0.001	<0.001	<0.001
1/27/2022	<0.001			
8/25/2022	<0.001	<0.001	<0.001	<0.001
2/14/2023		<0.001		
2/15/2023	<0.001		<0.001	<0.001
9/19/2023				<0.001
9/20/2023	<0.001	<0.001	<0.001	
2/28/2024	<0.001		<0.001	
2/29/2024		<0.001		<0.001
8/14/2024		<0.001	<0.001	<0.001
8/15/2024	<0.001			
3/12/2025		<0.001		<0.001
3/13/2025	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.001
9/7/2016	<0.001	<0.001	<0.001	
12/7/2016				<0.001
12/8/2016	<0.001	<0.001	<0.001	
3/21/2017				<0.001
3/22/2017	<0.001	<0.001		
3/23/2017			<0.001	
7/11/2017				<0.001
7/12/2017	<0.001	<0.001	<0.001	
10/18/2017	<0.001	<0.001		<0.001
10/19/2017			<0.001	
2/20/2018				<0.001
2/21/2018	<0.001	0.00043 (J)	<0.001	
7/11/2018				<0.001
7/12/2018			<0.001	
8/15/2018		<0.001		
8/16/2018	<0.001			
9/13/2018		<0.001		<0.001
9/14/2018	<0.001		<0.001	
8/21/2019				<0.001
8/22/2019	<0.001	<0.001	<0.001	
9/10/2019				<0.001
10/2/2019	<0.001			
10/3/2019		<0.001	<0.001	
3/25/2020	<0.001			0.00015 (J)
3/26/2020		<0.001	<0.001	
8/26/2020	<0.001		<0.001	<0.001
8/27/2020		<0.001		
10/6/2020				4.7E-05 (J)
10/7/2020	<0.001	4.2E-05 (J)	4.2E-05 (J)	
3/3/2021			<0.001	5.8E-05 (J)
3/4/2021	<0.001	<0.001		
9/15/2021				<0.001
9/16/2021	<0.001	<0.001	<0.001	
1/26/2022				<0.001
1/27/2022	<0.001	<0.001	<0.001	
8/25/2022	<0.001	<0.001	<0.001	<0.001
2/14/2023				<0.001
2/15/2023		<0.001	<0.001	
2/16/2023	<0.001			
9/20/2023	<0.001	<0.001	<0.001	<0.001
2/28/2024				<0.001
2/29/2024	<0.001	<0.001	<0.001	
8/14/2024		<0.001	<0.001	<0.001
8/15/2024	<0.001			
3/12/2025	<0.001	<0.001	<0.001	
3/13/2025				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.001		
12/8/2016	<0.001	<0.001	
3/22/2017	<0.001		
3/23/2017		9E-05 (J)	
7/11/2017	<0.001		
7/12/2017		<0.001	
10/18/2017	<0.001		
10/19/2017		<0.001	
2/21/2018	<0.001	<0.001	
7/12/2018	<0.001	<0.001	
9/13/2018	<0.001		
9/14/2018		<0.001	
10/4/2018		<0.001	
8/21/2019	0.00041 (J)		
8/22/2019		<0.001	
10/2/2019	<0.001		
10/3/2019		4.7E-05 (J)	
3/25/2020	<0.001		
3/26/2020		<0.001	
8/26/2020	<0.001	<0.001	
10/7/2020	<0.001	<0.001	
3/3/2021	<0.001		
3/4/2021		<0.001	
9/15/2021	<0.001		
9/16/2021		<0.001	
1/26/2022	<0.001		
1/27/2022		<0.001	<0.001
8/24/2022	<0.001	<0.001	
8/26/2022			<0.001
2/15/2023	<0.001		
2/16/2023		<0.001	<0.001
9/19/2023	<0.001		
9/21/2023		<0.001	<0.001
2/27/2024	<0.001		
2/29/2024		<0.001	<0.001
8/13/2024	<0.001		
8/15/2024		<0.001	<0.001
3/12/2025	<0.001		
3/13/2025		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.03			
10/18/2016			<0.03	<0.03
12/6/2016	<0.03		<0.03	
12/7/2016				<0.03
3/21/2017	<0.03		<0.03	
3/23/2017				<0.03
7/11/2017	<0.03		<0.03	<0.03
10/17/2017	<0.03		<0.03	<0.03
2/20/2018	<0.03		<0.03	<0.03
4/12/2018		<0.03		
5/23/2018		<0.03		
6/13/2018		<0.03		
7/11/2018	<0.03	0.0011 (J)	<0.03	<0.03
8/17/2018		0.0024 (J)		
9/12/2018	<0.03	0.0025 (J)	<0.03	
9/13/2018				<0.03
10/4/2018		0.0021 (J)		
10/24/2018		0.0021 (J)		
8/20/2019	<0.03			<0.03
8/21/2019		0.0018 (J)	<0.03	
10/1/2019	<0.03			<0.03
10/2/2019		0.0016 (J)	<0.03	
3/24/2020	<0.03	0.0019 (J)		
3/25/2020			<0.03	<0.03
8/25/2020	<0.03		<0.03	<0.03
8/26/2020		0.0015 (J)		
10/6/2020	<0.03	0.00099 (J)	<0.03	<0.03
3/3/2021	<0.03		<0.03	<0.03
3/8/2021		0.0019 (J)		
9/14/2021	<0.03	0.0013 (J)		<0.03
9/15/2021			<0.03	
1/25/2022	<0.03	0.0012 (J)		
1/26/2022			<0.03	<0.03
8/24/2022	<0.03	0.0012 (J)	<0.03	<0.03
2/14/2023	<0.03	0.001 (J)	<0.03	<0.03
9/19/2023	<0.03	<0.03	0.00079 (J)	<0.03
2/27/2024		<0.03		<0.03
2/28/2024	<0.03		<0.03	
8/13/2024	<0.03	<0.03	<0.03	<0.03
3/11/2025	<0.03	0.00145 (J)	0.00226 (J)	
3/12/2025				<0.03

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.03		
9/1/2016	0.0022 (J)		<0.03	
9/6/2016				<0.03
12/7/2016	0.0023 (J)	0.003 (J)	<0.03	<0.03
3/21/2017		<0.03		
3/22/2017	0.0025 (J)		0.0011 (J)	<0.03
7/11/2017		<0.03		<0.03
7/12/2017	0.0033 (J)		<0.03	
10/18/2017		<0.03	<0.03	<0.03
10/19/2017	<0.25			
2/20/2018		<0.03		
2/21/2018	0.0034 (J)		<0.03	<0.03
7/11/2018		<0.03		
7/12/2018	0.0038 (J)		0.0012 (J)	<0.03
9/12/2018		<0.03		
9/13/2018	0.0026 (J)		0.0013 (J)	<0.03
8/21/2019		<0.03	0.0013 (J)	<0.03
8/22/2019	0.0029 (J)			
10/2/2019		<0.03	0.0013 (J)	<0.03
10/3/2019	0.0032 (J)			
3/25/2020		<0.03		
3/26/2020	0.0031 (J)		0.0014 (J)	<0.03
8/26/2020	0.0023 (J)	<0.03	0.0013 (J)	<0.03
10/6/2020		<0.03		<0.03
10/7/2020	0.0023 (J)		0.0013 (J)	
3/3/2021		<0.03		
3/4/2021	0.0031 (J)		0.0014 (J)	<0.03
9/15/2021		<0.03	0.0013 (J)	<0.03
9/16/2021	0.0025 (J)			
1/26/2022		<0.03	0.0013 (J)	<0.03
1/27/2022	0.0039 (J)			
8/25/2022	0.003 (J)	<0.03	0.0012 (J)	<0.03
2/14/2023		<0.03		
2/15/2023	0.0037 (J)		0.001 (J)	<0.03
9/19/2023				<0.03
9/20/2023	0.0023 (J)	<0.03	0.0014 (J)	
2/28/2024	0.0024 (J)		<0.03	
2/29/2024		<0.03		<0.03
8/14/2024		<0.03	<0.03	<0.03
8/15/2024	0.0025 (J)			
3/12/2025		0.00112 (J)		0.0013 (J)
3/13/2025	0.00215 (J)		0.00121 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.03
9/7/2016	<0.03	<0.05	0.0082 (J)	
12/7/2016				<0.03
12/8/2016	<0.03	<0.05	0.0061 (J)	
3/21/2017				<0.03
3/22/2017	0.0021 (J)	0.0029 (J)		
3/23/2017			0.0122 (J)	
7/11/2017				<0.03
7/12/2017	0.002 (J)	0.0024 (J)	0.013 (J)	
10/18/2017	0.002 (J)	0.0027 (J)		<0.03
10/19/2017			0.013 (J)	
2/20/2018				<0.03
2/21/2018	0.0022 (J)	0.0021 (J)	0.0085 (J)	
7/11/2018				<0.03
7/12/2018			0.013 (J)	
8/15/2018		0.0027 (J)		
8/16/2018	0.0027 (J)			
9/13/2018		0.0029 (J)		<0.03
9/14/2018	0.0025 (J)		0.018 (J)	
8/21/2019				0.0009 (J)
8/22/2019	0.0025 (J)	0.0026 (J)	0.012 (J)	
9/10/2019				<0.03
10/2/2019	0.0024 (J)			
10/3/2019		0.0027 (J)	0.016 (J)	
3/25/2020	0.003 (J)			0.0011 (J)
3/26/2020		0.0027 (J)	0.013 (J)	
8/26/2020	0.0028 (J)		0.011 (J)	0.0011 (J)
8/27/2020		0.0025 (J)		
10/6/2020				0.00097 (J)
10/7/2020	0.0029 (J)	0.003 (J)	0.013 (J)	
3/3/2021			0.015 (J)	0.001 (J)
3/4/2021	0.002 (J)	0.0029 (J)		
9/15/2021				0.00085 (J)
9/16/2021	0.0021 (J)	0.0023 (J)	0.013 (J)	
1/26/2022				<0.03
1/27/2022	0.0022 (J)	0.003 (J)	0.016 (J)	
8/25/2022	0.0018 (J)	0.0033 (J)	0.012 (J)	<0.03
2/14/2023				<0.03
2/15/2023		0.0027 (J)	0.011 (J)	
2/16/2023	0.0014 (J)			
9/20/2023	0.0012 (J)	0.0028 (J)	0.014 (J)	0.00088 (J)
2/28/2024				<0.03
2/29/2024	<0.03	0.0054 (J)	0.012 (J)	
8/14/2024		0.0041 (J)	0.012 (J)	<0.03
8/15/2024	<0.03			
3/12/2025	0.00101 (J)	0.00579 (J)	0.0157 (J)	
3/13/2025				<0.03

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	0.0038 (J)		
12/8/2016	0.0038 (J)	<0.03	
3/22/2017	0.0068 (J)		
3/23/2017		<0.03	
7/11/2017	0.0059 (J)		
7/12/2017		<0.03	
10/18/2017	0.0057 (J)		
10/19/2017		<0.03	
2/21/2018	0.0063 (J)	<0.03	
7/12/2018	0.0063 (J)	<0.03	
9/13/2018	0.0061 (J)		
9/14/2018		<0.03	
10/4/2018		<0.03	
8/21/2019	0.0072 (J)		
8/22/2019		<0.03	
10/2/2019	0.0074 (J)		
10/3/2019		<0.03	
3/25/2020	0.0066 (J)		
3/26/2020		<0.03	
8/26/2020	0.0065 (J)	<0.03	
10/7/2020	0.0063 (J)	<0.03	
3/3/2021	0.0061 (J)		
3/4/2021		<0.03	
9/15/2021	0.0061 (J)		
9/16/2021		<0.03	
1/26/2022	0.008 (J)		
1/27/2022		<0.03	0.002 (J)
8/24/2022	0.0073 (J)	<0.03	
8/26/2022			0.0013 (J)
2/15/2023	0.0057 (J)		
2/16/2023		<0.03	0.00082 (J)
9/19/2023	0.0064 (J)		
9/21/2023		<0.03	0.00089 (J)
2/27/2024	0.007 (J)		
2/29/2024		<0.03	<0.03
8/13/2024	0.0064 (J)		
8/15/2024		<0.03	<0.03
3/12/2025	0.00835 (J)		
3/13/2025		<0.03	0.000708 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.0002			
10/18/2016			<0.0002	<0.0002
12/6/2016	<0.0002		<0.0002	
12/7/2016				<0.0002
3/21/2017	<0.0002		<0.0002	
3/23/2017				<0.0002
7/11/2017	<0.0002		<0.0002	<0.0002
10/17/2017	<0.0002		<0.0002	<0.0002
2/20/2018	<0.0002		<0.0002	<0.0002
4/12/2018		<0.0002		
5/23/2018		<0.0002		
6/13/2018		4.9E-05 (J)		
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002
8/17/2018		<0.0002		
9/12/2018	<0.0002	<0.0002	<0.0002	
9/13/2018				<0.0002
10/4/2018		<0.0002		
10/24/2018		5.2E-05 (J)		
8/20/2019	<0.0002			<0.0002
8/21/2019		<0.0002	<0.0002	
8/25/2020	9.9E-05 (J)		0.0001 (J)	<0.0002
8/26/2020		<0.0002		
10/6/2020	<0.0002	<0.0002	<0.0002	<0.0002
3/3/2021	<0.0002		<0.0002	<0.0002
3/8/2021		<0.0002		
9/14/2021	<0.0002	<0.0002		<0.0002
9/15/2021			<0.0002	
1/25/2022	<0.0002	<0.0002		
1/26/2022			<0.0002	<0.0002
8/24/2022	<0.0002	0.00013 (J)	<0.0002	0.00014 (J)
2/14/2023	<0.0002	<0.0002	<0.0002	<0.0002
9/19/2023	<0.0002	<0.0002	<0.0002	<0.0002
2/27/2024		<0.0002		<0.0002
2/28/2024	<0.0002		<0.0002	
8/13/2024	<0.0002	<0.0002	<0.0002	<0.0002
3/11/2025	<0.0002	<0.0002	<0.0002	
3/12/2025				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.0002		
9/1/2016	<0.0002		<0.0002	
9/6/2016				<0.0002
12/7/2016	6E-05 (J)	7E-05 (J)	<0.0002	<0.0002
3/21/2017		<0.0002		
3/22/2017	<0.0002		<0.0002	<0.0002
7/11/2017		<0.0002		<0.0002
7/12/2017	<0.0002		<0.0002	
10/18/2017		<0.0002	<0.0002	<0.0002
10/19/2017	<0.0002			
2/20/2018		<0.0002		
2/21/2018	5.3E-05 (J)		9.7E-05 (J)	6.8E-05 (J)
7/11/2018		<0.0002		
7/12/2018	<0.0002		<0.0002	<0.0002
9/12/2018		<0.0002		
9/13/2018	<0.0002		<0.0002	<0.0002
8/21/2019		<0.0002	<0.0002	<0.0002
8/22/2019	<0.0002			
8/26/2020	<0.0002	0.00015 (J)	<0.0002	<0.0002
10/6/2020		<0.0002		<0.0002
10/7/2020	<0.0002		<0.0002	
3/3/2021		<0.0002		
3/4/2021	<0.0002		<0.0002	<0.0002
9/15/2021		<0.0002	<0.0002	<0.0002
9/16/2021	<0.0002			
1/26/2022		<0.0002	<0.0002	<0.0002
1/27/2022	<0.0002			
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002
2/14/2023		<0.0002		
2/15/2023	<0.0002		<0.0002	<0.0002
9/19/2023				<0.0002
9/20/2023	<0.0002	<0.0002	<0.0002	
2/28/2024	<0.0002		<0.0002	
2/29/2024		<0.0002		<0.0002
8/14/2024		<0.0002	<0.0002	<0.0002
8/15/2024	<0.0002			
3/12/2025		<0.0002		<0.0002
3/13/2025	<0.0002		<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.0002
9/7/2016	<0.0002	<0.0002	<0.0002	
12/7/2016				9E-05 (J)
12/8/2016	<0.0002	<0.0002	<0.0002	
3/21/2017				<0.0002
3/22/2017	<0.0002	<0.0002		
3/23/2017			<0.0002	
7/11/2017				<0.0002
7/12/2017	<0.0002	<0.0002	<0.0002	
10/18/2017	<0.0002	<0.0002		<0.0002
10/19/2017			<0.0002	
2/20/2018				<0.0002
2/21/2018	8.6E-05 (J)	5.7E-05 (J)	4.5E-05 (J)	
7/11/2018				<0.0002
7/12/2018			<0.0002	
8/15/2018		<0.0002		
8/16/2018	<0.0002			
9/13/2018		<0.0002		<0.0002
9/14/2018	<0.0002		<0.0002	
8/21/2019				<0.0002
8/22/2019	<0.0002	<0.0002	<0.0002	
8/26/2020	<0.0002		0.0001 (J)	0.00017 (J)
8/27/2020		<0.0002		
10/6/2020				<0.0002
10/7/2020	<0.0002	<0.0002	<0.0002	
3/3/2021			<0.0002	<0.0002
3/4/2021	<0.0002	<0.0002		
9/15/2021				<0.0002
9/16/2021	<0.0002	<0.0002	<0.0002	
1/26/2022				<0.0002
1/27/2022	<0.0002	<0.0002	<0.0002	
8/25/2022	<0.0002	<0.0002	<0.0002	<0.0002
2/14/2023				<0.0002
2/15/2023		<0.0002	<0.0002	
2/16/2023	<0.0002			
9/20/2023	<0.0002	<0.0002	<0.0002	<0.0002
2/28/2024				<0.0002
2/29/2024	<0.0002	<0.0002	<0.0002	
8/14/2024		<0.0002	<0.0002	<0.0002
8/15/2024	<0.0002			
3/12/2025	<0.0002	<0.0002	<0.0002	
3/13/2025				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.0002		
12/8/2016	<0.0002	<0.0002	
3/22/2017	<0.0002		
3/23/2017		<0.0002	
7/11/2017	<0.0002		
7/12/2017		<0.0002	
10/18/2017	<0.0002		
10/19/2017		<0.0002	
2/21/2018	5.3E-05 (J)	4.3E-05 (J)	
7/12/2018	<0.0002	<0.0002	
9/13/2018	<0.0002		
9/14/2018		4.1E-05 (J)	
10/4/2018		<0.0002	
8/21/2019	<0.0002		
8/22/2019		<0.0002	
8/26/2020	<0.0002	0.00011 (J)	
10/7/2020	<0.0002	<0.0002	
3/3/2021	<0.0002		
3/4/2021		<0.0002	
9/15/2021	<0.0002		
9/16/2021		<0.0002	
1/26/2022	<0.0002		
1/27/2022		<0.0002	<0.0002
8/24/2022	0.00018 (J)	<0.0002	
8/26/2022			<0.0002
10/11/2022	<0.0002		
2/15/2023	<0.0002		
2/16/2023		<0.0002	<0.0002
9/19/2023	<0.0002		
9/21/2023		<0.0002	<0.0002
2/27/2024	<0.0002		
2/29/2024		<0.0002	<0.0002
8/13/2024	<0.0002		
8/15/2024		<0.0002	<0.0002
3/12/2025	<0.0002		
3/13/2025		<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.01			
10/18/2016			<0.01	<0.01
12/6/2016	0.0019 (J)		<0.01	
12/7/2016				<0.01
3/21/2017	0.0018 (J)		0.0005 (J)	
3/23/2017				<0.01
7/11/2017	0.0018 (J)		<0.01	<0.01
10/17/2017	0.0016 (J)		<0.01	<0.01
2/20/2018	<0.01		<0.01	<0.01
4/12/2018		<0.01		
5/23/2018		<0.01		
6/13/2018		<0.01		
7/11/2018	<0.01	<0.01	<0.01	<0.01
8/17/2018		<0.01		
9/12/2018	<0.01	<0.01	<0.01	
9/13/2018				<0.01
10/4/2018		<0.01		
10/24/2018		<0.01		
8/20/2019	<0.01			<0.01
8/21/2019		<0.01	<0.01	
10/1/2019	0.001 (J)			<0.01
10/2/2019		<0.01	<0.01	
3/24/2020	0.001 (J)	<0.01		
3/25/2020			<0.01	<0.01
8/25/2020	0.001 (J)		<0.01	<0.01
8/26/2020		<0.01		
10/6/2020	0.0009 (J)	0.00069 (J)	<0.01	<0.01
3/3/2021	0.00076 (J)		<0.01	<0.01
3/8/2021		<0.01		
9/14/2021	0.00086 (J)	0.00077 (J)		<0.01
9/15/2021			<0.01	
1/25/2022	<0.01	<0.01		
1/26/2022			<0.01	<0.01
8/24/2022	0.00088 (J)	<0.01	<0.01	<0.01
2/14/2023	0.0013 (J)	<0.01	<0.01	<0.01
9/19/2023	0.0013 (J)	0.0008 (J)	<0.01	<0.01
2/27/2024		0.00069 (J)		<0.01
2/28/2024	0.00083 (J)		<0.01	
8/13/2024	<0.01	<0.01	<0.01	<0.01
3/11/2025	<0.01	<0.01	<0.01	
3/12/2025				<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.01		
9/1/2016	<0.01		<0.01	
9/6/2016				<0.01
12/7/2016	<0.01	<0.01	<0.01	<0.01
3/21/2017		0.0005 (J)		
3/22/2017	<0.01		0.0004 (J)	0.0004 (J)
7/11/2017		<0.01		<0.01
7/12/2017	<0.01		<0.01	
10/18/2017		<0.01	<0.01	<0.01
10/19/2017	<0.01			
2/20/2018		<0.01		
2/21/2018	<0.01		<0.01	<0.01
7/11/2018		<0.01		
7/12/2018	<0.01		<0.01	<0.01
9/12/2018		<0.01		
9/13/2018	<0.01		<0.01	<0.01
8/21/2019		<0.01	<0.01	<0.01
8/22/2019	<0.01			
10/2/2019		<0.01	<0.01	<0.01
10/3/2019	<0.01			
3/25/2020		<0.01		
3/26/2020	<0.01		<0.01	<0.01
8/26/2020	<0.01	<0.01	<0.01	<0.01
10/6/2020		<0.01		<0.01
10/7/2020	<0.01		<0.01	
3/3/2021		<0.01		
3/4/2021	<0.01		<0.01	<0.01
9/15/2021		<0.01	<0.01	<0.01
9/16/2021	<0.01			
1/26/2022		<0.01	<0.01	<0.01
1/27/2022	<0.01			
8/25/2022	<0.01	<0.01	<0.01	<0.01
2/14/2023		<0.01		
2/15/2023	<0.01		<0.01	<0.01
9/19/2023				<0.01
9/20/2023	<0.01	<0.01	<0.01	
2/28/2024	<0.01		<0.01	
2/29/2024		<0.01		<0.01
8/14/2024		<0.01	<0.01	<0.01
8/15/2024	<0.01			
3/12/2025		<0.01		<0.01
3/13/2025	<0.01		<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.01
9/7/2016	<0.01	<0.01	0.0027 (J)	
12/7/2016				<0.01
12/8/2016	<0.01	<0.01	0.0022 (J)	
3/21/2017				0.0006 (J)
3/22/2017	0.0004 (J)	<0.01		
3/23/2017			0.0025 (J)	
7/11/2017				<0.01
7/12/2017	<0.01	<0.01	0.0022 (J)	
10/18/2017	<0.01	<0.01		<0.01
10/19/2017			0.0021 (J)	
2/20/2018				<0.01
2/21/2018	<0.01	<0.01	<0.01	
7/11/2018				<0.01
7/12/2018			0.0022 (J)	
8/15/2018		<0.01		
8/16/2018	<0.01			
9/13/2018		<0.01		<0.01
9/14/2018	<0.01		0.0023 (J)	
8/21/2019				<0.01
8/22/2019	<0.01	<0.01	0.0021 (J)	
9/10/2019				<0.01
10/2/2019	<0.01			
10/3/2019		<0.01	0.0024 (J)	
3/25/2020	<0.01			0.0011 (J)
3/26/2020		<0.01	0.0021 (J)	
8/26/2020	<0.01		0.002 (J)	<0.01
8/27/2020		<0.01		
10/6/2020				<0.01
10/7/2020	<0.01	<0.01	0.0019 (J)	
3/3/2021			0.0021 (J)	<0.01
3/4/2021	<0.01	<0.01		
9/15/2021				<0.01
9/16/2021	<0.01	<0.01	0.0021 (J)	
1/26/2022				<0.01
1/27/2022	<0.01	<0.01	0.0022 (J)	
8/25/2022	<0.01	<0.01	0.0017 (J)	<0.01
2/14/2023				<0.01
2/15/2023		<0.01	0.0016 (J)	
2/16/2023	<0.01			
9/20/2023	<0.01	<0.01	0.0019 (J)	<0.01
2/28/2024				<0.01
2/29/2024	<0.01	<0.01	0.0018 (J)	
8/14/2024		<0.01	0.0023 (J)	<0.01
8/15/2024	<0.01			
3/12/2025	<0.01	<0.01	<0.01	
3/13/2025				<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.01		
12/8/2016	<0.01	<0.01	
3/22/2017	0.001 (J)		
3/23/2017		<0.01	
7/11/2017	<0.01		
7/12/2017		<0.01	
10/18/2017	<0.01		
10/19/2017		<0.01	
2/21/2018	<0.01	<0.01	
7/12/2018	<0.01	<0.01	
9/13/2018	<0.01		
9/14/2018		<0.01	
10/4/2018		<0.01	
8/21/2019	0.0014 (J)		
8/22/2019		<0.01	
10/2/2019	<0.01		
10/3/2019		<0.01	
3/25/2020	<0.01		
3/26/2020		<0.01	
8/26/2020	<0.01	<0.01	
10/7/2020	<0.01	<0.01	
3/3/2021	<0.01		
3/4/2021		<0.01	
9/15/2021	<0.01		
9/16/2021		<0.01	
1/26/2022	<0.01		
1/27/2022		<0.01	0.00085 (J)
8/24/2022	<0.01	<0.01	
8/26/2022			<0.01
2/15/2023	<0.01		
2/16/2023		<0.01	<0.01
9/19/2023	<0.01		
9/21/2023		<0.01	<0.01
2/27/2024	<0.01		
2/29/2024		<0.01	<0.01
8/13/2024	<0.01		
8/15/2024		<0.01	<0.01
3/12/2025	<0.01		
3/13/2025		<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	7.67			
10/17/2016				7.43
10/18/2016			7.15	7.45
12/6/2016	7.57		7.04	
12/7/2016				7.29
3/21/2017	7.54		7.01	
3/23/2017				7.26
7/11/2017	7.43		6.96	7.31
10/17/2017	7.7	7.61	7.31	7.29
2/20/2018	7.57		7.37	7.26
4/12/2018		9.54		
5/23/2018		9.57		
6/13/2018		9.71		
7/11/2018	7.48	9.48	7.26	7.39
7/12/2018			7.01	
8/17/2018		9.31		
9/12/2018	7.41	9.07	7.02	
9/13/2018				7.25
10/4/2018		9.16		
10/24/2018		9.29		
3/26/2019	7.49		7	
3/27/2019		8.76		7.42
8/20/2019	7.87			7.36
8/21/2019		8.68	7.44	
10/1/2019	7.5			7.43
10/2/2019		8.97	7.09	
3/24/2020	7.79	8.57		
3/25/2020			7.15	7.23
8/25/2020	7.49		7.14	7.53
8/26/2020		7.97		
10/6/2020	7.35	8.72	7.01	7.27
3/3/2021	7.56		7.14	7.41
3/8/2021		7.77		
9/14/2021	7.45	8.96		7.31
9/15/2021			6.99	
1/25/2022	7.51	8.4		
1/26/2022			7.1	7.44
8/24/2022	7.49	8.01	7.04	7.34
10/11/2022		7.94		7.37
2/14/2023	7.43	7.97	7.09	7.36
9/19/2023	7.44	8.82	7.02	7.43
2/27/2024		8.49		7.39
2/28/2024	7.41		7.11	
8/13/2024	7.46	9.2	7.12	7.33
3/11/2025	7.42	8.2	7.08	
3/12/2025				7.31

Time Series

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		6.97		
9/1/2016	7.07		7.21	
9/6/2016				7.23
12/7/2016	6.85	6.85	7.13	7.3
3/21/2017		7.04		
3/22/2017	6.99		7.04	7.2
7/11/2017		6.88		7.31
7/12/2017	6.83		7.09	
10/18/2017		6.77	7.2	7.28
10/19/2017	6.91			
2/20/2018		7.31		
2/21/2018	6.97		7.11	7.1
7/11/2018		7.12		
7/12/2018	6.85		7.07	7.14
9/12/2018		6.87		
9/13/2018	6.88		7.01	7.08
3/27/2019		6.98		7.23
3/28/2019	6.96		7.84	
8/21/2019		7.31	7.51	7.23
8/22/2019	7.31			
10/2/2019		6.96	7.22	7.22
10/3/2019	6.85			
3/25/2020		7.02		
3/26/2020	7.12		7.08	7.12
8/26/2020	7.01	6.98	7.08	7.18
10/6/2020		7.01		7.24
10/7/2020	6.98		7.11	
3/3/2021		6.99		
3/4/2021	6.95		7.09	7.34
9/15/2021		6.94	7.09	7.12
9/16/2021	6.96			
1/26/2022		7.05	7.33	7.26
1/27/2022	7.03			
8/25/2022	6.98	6.93	7.15	7.14
2/14/2023		7.04		
2/15/2023	6.92		7.09	7.1
9/19/2023				7.08
9/20/2023	7.15	6.94	7.07	
2/28/2024	7.07		7.18	
2/29/2024		7.07		7.19
8/14/2024		7.11	7.11	7.15
8/15/2024	7.05			
3/12/2025		7.11		7.18
3/13/2025	7.12		7.16	

Time Series

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				6.75
9/7/2016	7.02	6.92	6.71	
12/7/2016				6.64
12/8/2016	6.95	6.9	6.61	
3/21/2017				6.73
3/22/2017	7.05	7		
3/23/2017			6.69	
7/11/2017				6.66
7/12/2017	7.06	6.95	6.69	
10/18/2017	6.99	6.88	6.88	6.73
10/19/2017			6.85	
2/20/2018				7.11
2/21/2018	6.95	6.89	6.66	
7/11/2018				7
7/12/2018	7.06	7.01	6.84	
8/15/2018		6.87		
8/16/2018	7.01			
9/13/2018		6.86		6.56
9/14/2018	6.83		6.76	
3/27/2019		6.92		6.75
3/28/2019	6.97		6.67	
8/21/2019				7.08
8/22/2019	7.24	7.02	6.73	
9/10/2019				6.78
10/2/2019	6.99			
10/3/2019		6.78	6.93	
3/25/2020	6.93			6.84
3/26/2020		7.01	6.7	
8/26/2020	6.98		6.68	6.64
8/27/2020		6.88		
10/6/2020				6.78
10/7/2020	7.04	6.91	6.78	
3/3/2021			6.78	6.79
3/4/2021	7.09	6.91		
9/15/2021				6.72
9/16/2021	7.03	6.85	6.77	
1/26/2022				6.83
1/27/2022	7.03	6.92	6.8	
8/25/2022	7.05	6.76	6.67	6.76
2/14/2023				6.75
2/15/2023		6.73	6.66	
2/16/2023	7.14			
9/20/2023	7.16	6.76	6.83	6.86
2/28/2024				6.79
2/29/2024	7.2	6.94	6.82	
8/14/2024		6.92	6.9	6.75
8/15/2024	7.35			
3/12/2025	7.38	6.96	6.74	
3/13/2025				6.79

Time Series

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	7.1		
10/4/2016		6.88	
10/5/2016		6.91	
10/10/2016		6.89	
12/8/2016	6.98	6.86	
3/22/2017	7.16		
3/23/2017		6.9	
7/11/2017	7.15	7.82	
7/12/2017		6.81	
10/18/2017	7.09		
10/19/2017		6.86	
2/21/2018	7.12	7.02	
7/12/2018	7.01	6.82	
9/13/2018	7.03		
9/14/2018		6.75	
10/4/2018		6.9	
3/27/2019	7.08		
3/28/2019		6.96	
8/21/2019	7.09		
8/22/2019		6.94	
10/2/2019	7.2		
10/3/2019		7.01	
3/25/2020	7.01		
3/26/2020		7	
8/26/2020	7.09	6.99	
10/7/2020	6.95	7.04	
3/3/2021	7.04		
3/4/2021		7.22	
9/15/2021	7.05		
9/16/2021		7.1	
1/26/2022	7.28		
1/27/2022		7.18	7.3
8/24/2022	7.1	7.1	
8/26/2022			7.09
10/11/2022	7.13		
2/15/2023	7.02		
2/16/2023		7.13	7.06
9/19/2023	7.18		
9/21/2023		7.05	7.21
2/27/2024	7.13		
2/29/2024		7.14	7.13
8/13/2024	7.06		
8/15/2024		7.07	7.1
3/12/2025	7.12		
3/13/2025		7.07	7.13

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.005			
10/18/2016			<0.005	<0.005
12/6/2016	<0.005		<0.005	
12/7/2016				<0.005
3/21/2017	<0.005		<0.005	
3/23/2017				<0.005
7/11/2017	<0.005		<0.005	<0.005
10/17/2017	<0.005		<0.005	<0.005
2/20/2018	<0.005		<0.005	<0.005
4/12/2018		<0.005		
5/23/2018		<0.005		
6/13/2018		<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005
8/17/2018		<0.005		
9/12/2018	<0.005	<0.005	<0.005	
9/13/2018				<0.005
10/4/2018		<0.005		
10/24/2018		<0.005		
8/20/2019	<0.005			<0.005
8/21/2019		<0.005	<0.005	
10/1/2019	<0.005			<0.005
10/2/2019		<0.005	<0.005	
3/24/2020	<0.005	<0.005		
3/25/2020			<0.005	<0.005
8/25/2020	<0.005		<0.005	<0.005
8/26/2020		<0.005		
10/6/2020	<0.005	<0.005	<0.005	<0.005
3/3/2021	<0.005		<0.005	<0.005
3/8/2021		<0.005		
9/14/2021	<0.005	<0.005		<0.005
9/15/2021			<0.005	
1/25/2022	<0.005	<0.005		
1/26/2022			<0.005	<0.005
8/24/2022	<0.005	<0.005	<0.005	<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005
9/19/2023	<0.005	<0.005	<0.005	<0.005
2/27/2024		<0.005		<0.005
2/28/2024	<0.005		<0.005	
8/13/2024	<0.005	<0.005	<0.005	<0.005
3/11/2025	<0.005	<0.005	<0.005	
3/12/2025				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		0.0012 (J)		
9/1/2016	<0.005		<0.005	
9/6/2016				<0.005
12/7/2016	<0.005	<0.005	<0.005	<0.005
3/21/2017		<0.005		
3/22/2017	<0.005		<0.005	<0.005
7/11/2017		<0.005		<0.005
7/12/2017	<0.005		<0.005	
10/18/2017		<0.005	<0.005	<0.005
10/19/2017	<0.005			
2/20/2018		<0.005		
2/21/2018	<0.005		<0.005	<0.005
7/11/2018		<0.005		
7/12/2018	<0.005		<0.005	<0.005
9/12/2018		<0.005		
9/13/2018	<0.005		<0.005	<0.005
8/21/2019		<0.005	<0.005	<0.005
8/22/2019	<0.005			
10/2/2019		0.0015 (J)	<0.005	<0.005
10/3/2019	0.0017 (J)			
3/25/2020		<0.005		
3/26/2020	<0.005		<0.005	<0.005
8/26/2020	0.0018 (J)	<0.005	0.0018 (J)	<0.005
10/6/2020		<0.005		<0.005
10/7/2020	<0.005		<0.005	
3/3/2021		<0.005		
3/4/2021	0.0018 (J)		<0.005	<0.005
9/15/2021		<0.005	<0.005	<0.005
9/16/2021	<0.005			
1/26/2022		<0.005	<0.005	<0.005
1/27/2022	0.0018 (J)			
8/25/2022	0.0017 (J)	<0.005	<0.005	<0.005
2/14/2023		<0.005		
2/15/2023	0.0017 (J)		<0.005	<0.005
9/19/2023				<0.005
9/20/2023	0.0015 (J)	<0.005	<0.005	
2/28/2024	0.0019 (J)		<0.005	
2/29/2024		<0.005		<0.005
8/14/2024		<0.005	<0.005	<0.005
8/15/2024	0.0011 (J)			
3/12/2025		<0.005		<0.005
3/13/2025	<0.005		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				0.0014 (J)
9/7/2016	<0.005	<0.005	<0.01	
12/7/2016				<0.01
12/8/2016	<0.005	<0.005	<0.01	
3/21/2017				<0.01
3/22/2017	<0.005	<0.005		
3/23/2017			<0.01	
7/11/2017				<0.01
7/12/2017	<0.005	<0.005	<0.01	
10/18/2017	<0.005	<0.005		<0.01
10/19/2017			<0.01	
2/20/2018				<0.01
2/21/2018	<0.005	<0.005	<0.01	
7/11/2018				<0.01
7/12/2018			<0.01	
8/15/2018		<0.005		
8/16/2018	<0.005			
9/13/2018		<0.005		<0.01
9/14/2018	<0.005		0.0015 (J)	
8/21/2019				0.0022 (J)
8/22/2019	<0.005	<0.005	<0.01	
9/10/2019				0.0018 (J)
10/2/2019	<0.005			
10/3/2019		<0.005	0.0034 (J)	
3/25/2020	<0.005			0.003 (J)
3/26/2020		<0.005	0.0016 (J)	
8/26/2020	<0.005		0.0031 (J)	0.0026 (J)
8/27/2020		<0.005		
10/6/2020				0.0027 (J)
10/7/2020	<0.005	<0.005	0.0035 (J)	
3/3/2021			0.0033 (J)	0.0025 (J)
3/4/2021	<0.005	<0.005		
9/15/2021				0.0024 (J)
9/16/2021	<0.005	<0.005	0.0033 (J)	
1/26/2022				0.0023 (J)
1/27/2022	<0.005	<0.005	0.005	
8/25/2022	<0.005	<0.005	0.0019 (J)	0.0023 (J)
2/14/2023				0.0015 (J)
2/15/2023		<0.005	0.0036 (J)	
2/16/2023	<0.005			
9/20/2023	<0.005	<0.005	0.0024 (J)	0.0023 (J)
2/28/2024				0.0018 (J)
2/29/2024	<0.005	<0.005	0.0043 (J)	
8/14/2024		<0.005	0.0053	0.0019 (J)
8/15/2024	<0.005			
3/12/2025	<0.005	0.0014 (J)	0.0022 (J)	
3/13/2025				0.0017 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	<0.005		
12/8/2016	<0.005	<0.005	
3/22/2017	<0.005		
3/23/2017		<0.005	
7/11/2017	<0.005		
7/12/2017		<0.005	
10/18/2017	<0.005		
10/19/2017		<0.005	
2/21/2018	<0.005	<0.005	
7/12/2018	<0.005	<0.005	
9/13/2018	<0.005		
9/14/2018		<0.005	
10/4/2018		<0.005	
8/21/2019	<0.005		
8/22/2019		<0.005	
10/2/2019	<0.005		
10/3/2019		<0.005	
3/25/2020	<0.005		
3/26/2020		<0.005	
8/26/2020	<0.005	<0.005	
10/7/2020	<0.005	<0.005	
3/3/2021	<0.005		
3/4/2021		<0.005	
9/15/2021	<0.005		
9/16/2021		<0.005	
1/26/2022	<0.005		
1/27/2022		<0.005	<0.005
8/24/2022	<0.005	<0.005	
8/26/2022			<0.005
2/15/2023	<0.005		
2/16/2023		<0.005	<0.005
9/19/2023	<0.005		
9/21/2023		<0.005	<0.005
2/27/2024	<0.005		
2/29/2024		<0.005	<0.005
8/13/2024	<0.005		
8/15/2024		<0.005	0.001 (J)
3/12/2025	<0.005		
3/13/2025		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	2.1			
10/18/2016			2.2	2.3
12/6/2016	2.4		6.1	
12/7/2016				1.9
3/21/2017	2.5		5.7	
3/23/2017				1.7
7/11/2017	2.6		4.8	1.8
10/17/2017	2.5		6.4	1.9
2/20/2018	2.3		5.2	2.1
4/12/2018		4.8 (J)		
5/23/2018		4.5		
6/13/2018		5.3		
7/11/2018	2.5	5.4	3.6	2
8/17/2018		4.5		
9/12/2018	2	4.4	2.7	
9/13/2018				2.1
10/4/2018		5.8		
10/24/2018		6.2		
3/26/2019	2.7		1.6	
3/27/2019		3.7		2.4
10/1/2019	2.8			2.2
10/2/2019		4.1	1.6	
3/24/2020	3	3.1		
3/25/2020			1.5	1.9
10/6/2020	2.4	3.1	0.98 (J)	1.9
3/3/2021	2.2		0.6 (J)	2
3/8/2021		2.7		
9/14/2021	2.6	3.8		1.8
9/15/2021			0.64 (J)	
1/25/2022	2.4	2.9		
1/26/2022			0.69 (J)	1.9
8/24/2022	2.2	2	0.56 (J)	1.7
2/14/2023	1.6	2.6	0.89 (J)	2
9/19/2023	2.2	3.2	0.61 (J)	1.5
2/27/2024		2.6		1.4
2/28/2024	<1		0.54 (J)	
8/13/2024	2.5	3.3	0.8 (J)	1.7
3/11/2025	1.8	2.2	0.56 (J)	
3/12/2025				1.6

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		4.1		
9/1/2016	62		73	
9/6/2016				49
12/7/2016	57	1.5	71	46
3/21/2017		2		
3/22/2017	61		80	53
7/11/2017		2		52
7/12/2017	53		78	
10/18/2017		4.2	82	58
10/19/2017	55			
2/20/2018		2.4		
2/21/2018	52.1		72.2	48.2
7/11/2018		3.8		
7/12/2018	53.9		80.5	48.8
9/12/2018		4.3		
9/13/2018	67.5		84.4	48.7
3/27/2019		8.2		46.5
3/28/2019	59.6		90.3	
10/2/2019		6.2	83	48.5
10/3/2019	59.6			
3/25/2020		11.9		
3/26/2020	57.1		83.6	43.5
10/6/2020		11		42.4
10/7/2020	48.9		80.7	
3/3/2021		8.8		
3/4/2021	49.7		74.1	38.9
9/15/2021		11.4	73.4	37.8
9/16/2021	41.8			
1/26/2022		9.1	77.2	38.9
1/27/2022	46.7			
8/25/2022	47.3	10.7	75.5	38.7
2/14/2023		10		
2/15/2023	49.9		75.7	38.1
9/19/2023				37.5
9/20/2023	40.7	12.5	74.9	
2/28/2024	40.3		77.4	
2/29/2024		13.3		37.9
8/14/2024		17.3	78.4	38.8
8/15/2024	39			
3/12/2025		13.9		37.8
3/13/2025	34.9		72.6	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				29
9/7/2016	99	96	87	
12/7/2016				24
12/8/2016	94	94	84	
3/21/2017				31
3/22/2017	100	95		
3/23/2017			90	
7/11/2017				37
7/12/2017	100	96	93	
10/18/2017	100	99		34
10/19/2017			92	
2/20/2018				34.7
2/21/2018	98.8	91.8	84.5	
7/11/2018				35.4
7/12/2018			84.9	
8/15/2018		101		
8/16/2018	111			
9/13/2018		106		37.4
9/14/2018	102		89.5	
3/27/2019		111		41.9
3/28/2019	94.7		83.5	
9/10/2019				45.1
10/2/2019	104			
10/3/2019		95.8	84.9	
3/25/2020	92.4			47
3/26/2020		91	84.9	
10/6/2020				71.2
10/7/2020	89.1	87.3	83.3	
3/3/2021			80.8	66
3/4/2021	66.8	88.6		
9/15/2021				46.8
9/16/2021	70.9	86.9	72.7	
1/26/2022				37.8
1/27/2022	62.1	89.9	76.3	
8/25/2022	62.7	96.3	84.4	45.6
2/14/2023				35.1
2/15/2023		96.6	78.8	
2/16/2023	54.2			
9/20/2023	34.3	93.8	83.4	44.3
2/28/2024				33.5
2/29/2024	45.4	92.7	71.5	
8/14/2024		94.3	61.7	43.4
8/15/2024	18.3			
3/12/2025	31.5	89.9	79.8	
3/13/2025				33.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	48		
12/8/2016	46	100	
3/22/2017	53		
3/23/2017		100	
7/11/2017	51		
7/12/2017		97	
10/18/2017	50		
10/19/2017		97	
2/21/2018	46.8	93.6	
7/12/2018	48.3	89.4	
9/13/2018	42		
9/14/2018		88.9	
10/4/2018		97.8	
3/27/2019	43.7		
3/28/2019		76.7	
10/2/2019	43		
10/3/2019		72.1	
3/25/2020	39.1		
3/26/2020		66.6	
10/7/2020	38.1	54.6	
3/3/2021	39.2		
3/4/2021		49.3	
9/15/2021	37.8		
9/16/2021		40.4	
1/26/2022	37.5		
1/27/2022		40	94.5
8/24/2022	35.7	34.7	
8/26/2022			87.2
2/15/2023	37.1		
2/16/2023		36	77.7
9/19/2023	34.7		
9/21/2023		34.8	66.7
2/27/2024	34		
2/29/2024		32.2	65.1
8/13/2024	34.8		
8/15/2024		31.6	59.7
3/12/2025	35.3		
3/13/2025		31.3	56.8

Time Series

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	136			
10/18/2016			264	152
12/6/2016	207		299	
12/7/2016				214
3/21/2017	128		260	
3/23/2017				165
7/11/2017	138		244	162
10/17/2017	101		218	140
2/20/2018	138		264	163
4/12/2018		69		
5/23/2018		62		
6/13/2018		93		
7/11/2018	153	84	273	192
8/17/2018		115		
9/12/2018	146	97	252	
9/13/2018				192
10/4/2018		103		
10/24/2018		110		
3/26/2019	334		253	
3/27/2019		87		167
10/1/2019	146			187
10/2/2019		95	263	
3/24/2020	228	123		
3/25/2020			278	178
10/6/2020	153	81	254	169
3/3/2021	134		264	166
3/8/2021		126		
9/14/2021	150	71		179
9/15/2021			256	
1/25/2022	148	68		
1/26/2022			262	182
8/24/2022	139	287	261	172
10/11/2022		75		173
2/14/2023	200	140	257	177
9/19/2023	146	86	265	217
2/27/2024		75		192
2/28/2024	176		276	
8/13/2024	163	69	263	187
3/11/2025	161	82	259	
3/12/2025				200

Time Series

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		344		
9/1/2016	373		284	
9/6/2016				257
12/7/2016	433	393	242	248
3/21/2017		276		
3/22/2017	409		332	304
7/11/2017		263		265
7/12/2017	374		308	
10/18/2017		261	275	240
10/19/2017	318			
2/20/2018		295		
2/21/2018	367		312	285
7/11/2018		294		
7/12/2018	423		337	285
9/12/2018		286		
9/13/2018	394		336	291
3/27/2019		281		277
3/28/2019	365		337	
10/2/2019		312	355	284
10/3/2019	405			
3/25/2020		330		
3/26/2020	332		330	286
10/6/2020		241		261
10/7/2020	334		336	
3/3/2021		258		
3/4/2021	335		300	264
9/15/2021		292	326	270
9/16/2021	307			
1/26/2022		288	308	267
1/27/2022	331			
8/25/2022	325	259	319	90
2/14/2023		300		
2/15/2023	335		329	334
9/19/2023				298
9/20/2023	302	293	328	
2/28/2024	325		342	
2/29/2024		308		292
8/14/2024		284	342	311
8/15/2024	350			
3/12/2025		304		328
3/13/2025	316		329	

Time Series

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				400
9/7/2016	392	415	508	
12/7/2016				406
12/8/2016	431	441	556	
3/21/2017				409
3/22/2017	456	469		
3/23/2017			482	
7/11/2017				414
7/12/2017	445	432	497	
10/18/2017	349	368		366
10/19/2017			448	
2/20/2018				429
2/21/2018	411	409	500	
7/11/2018				440
7/12/2018			523	
8/15/2018		422		
8/16/2018	415			
9/13/2018		438		448
9/14/2018	403		486	
3/27/2019		408		410
3/28/2019	420		378	
9/10/2019				420
10/2/2019	415			
10/3/2019		464	485	
3/25/2020	408			454
3/26/2020		415	440	
10/6/2020				462
10/7/2020	392	425	492	
3/3/2021			452	444
3/4/2021	325	427		
9/15/2021				422
9/16/2021	330	419	450	
1/26/2022				413
1/27/2022	329	433	442	
8/25/2022	321	446	528	437
2/14/2023				414
2/15/2023		477	529	
2/16/2023	299			
9/20/2023	256	451	512	421
2/28/2024				430
2/29/2024	277	473	470	
8/14/2024		468	436	436
8/15/2024	245			
3/12/2025	252	475	538	
3/13/2025				435

Time Series

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-57
9/8/2016	293		
12/8/2016	309	503	
3/22/2017	299		
3/23/2017		430	
7/11/2017	301		
7/12/2017		438	
10/18/2017	256		
10/19/2017		393	
2/21/2018	297	435	
7/12/2018	310	447	
9/13/2018	307		
9/14/2018		447	
10/4/2018		450	
3/27/2019	287		
3/28/2019		405	
10/2/2019	312		
10/3/2019		414	
3/25/2020	280		
3/26/2020		336	
10/7/2020	280	337	
3/3/2021	267		
3/4/2021		283	
9/15/2021	272		
9/16/2021		296	
1/26/2022	276		
1/27/2022		274	387
8/24/2022	286	265	
8/26/2022			358
10/11/2022	267		
2/15/2023	264		
2/16/2023		293	421
9/19/2023	311		
9/21/2023		300	311
2/27/2024	287		
2/29/2024		314	334
8/13/2024	273		
8/15/2024		341	348
3/12/2025	298		
3/13/2025		323	321

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-2D (bg)	PZ-31 (bg)	PZ-32 (bg)
8/30/2016	<0.001			
10/18/2016			<0.001	<0.001
12/6/2016	<0.001		<0.001	
12/7/2016				0.0002 (J)
3/21/2017	<0.001		6E-05 (J)	
3/23/2017				8E-05 (J)
7/11/2017	<0.001		<0.001	7E-05 (J)
10/17/2017	<0.001		<0.001	8E-05 (J)
2/20/2018	<0.001		<0.001	<0.001
4/12/2018		<0.001		
5/23/2018		<0.001		
6/13/2018		<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001
8/17/2018		<0.001		
9/12/2018	<0.001	<0.001	<0.001	
9/13/2018				<0.001
10/4/2018		<0.001		
10/24/2018		0.00016 (J)		
8/20/2019	<0.001			<0.001
8/21/2019		<0.001	6.1E-05 (J)	
10/1/2019	<0.001			<0.001
10/2/2019		<0.001	<0.001	
3/24/2020	<0.001	<0.001		
3/25/2020			<0.001	<0.001
8/25/2020	<0.001		<0.001	<0.001
8/26/2020		<0.001		
10/6/2020	<0.001	<0.001	<0.001	<0.001
3/3/2021	<0.001		<0.001	<0.001
3/8/2021		<0.001		
9/14/2021	<0.001	<0.001		<0.001
9/15/2021			<0.001	
1/25/2022	<0.001	<0.001		
1/26/2022			<0.001	<0.001
8/24/2022	<0.001	<0.001	<0.001	<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001
9/19/2023	0.00028 (J)	<0.001	<0.001	<0.001
2/27/2024		<0.001		<0.001
2/28/2024	<0.001		<0.001	
8/13/2024	<0.001	<0.001	<0.001	<0.001
3/11/2025	<0.001	<0.001	<0.001	
3/12/2025				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15	PZ-16
8/31/2016		<0.001		
9/1/2016	<0.001		<0.001	
9/6/2016				<0.001
12/7/2016	<0.001	<0.001	<0.001	<0.001
3/21/2017		6E-05 (J)		
3/22/2017	0.0002 (J)		<0.001	0.0002 (J)
7/11/2017		<0.001		0.0002 (J)
7/12/2017	0.0001 (J)		<0.001	
10/18/2017		<0.001	<0.001	0.0002 (J)
10/19/2017	0.0001 (J)			
2/20/2018		<0.001		
2/21/2018	<0.001		<0.001	0.00018 (J)
7/11/2018		<0.001		
7/12/2018	<0.001		<0.001	<0.001
9/12/2018		<0.001		
9/13/2018	<0.001		<0.001	0.00017 (J)
8/21/2019		<0.001	0.00022 (J)	5.7E-05 (J)
8/22/2019	8.6E-05 (J)			
10/2/2019		<0.001	0.00016 (J)	5.3E-05 (J)
10/3/2019	7.8E-05 (J)			
3/25/2020		<0.001		
3/26/2020	8.5E-05 (J)		0.00014 (J)	<0.001
8/26/2020	<0.001	<0.001	0.00027 (J)	<0.001
10/6/2020		<0.001		<0.001
10/7/2020	<0.001		0.00022 (J)	
3/3/2021		<0.001		
3/4/2021	<0.001		0.00022 (J)	<0.001
9/15/2021		<0.001	0.0002 (J)	<0.001
9/16/2021	<0.001			
1/26/2022		<0.001	<0.001	<0.001
1/27/2022	<0.001			
8/25/2022	<0.001	<0.001	<0.001	<0.001
2/14/2023		<0.001		
2/15/2023	<0.001		<0.001	<0.001
9/19/2023				<0.001
9/20/2023	<0.001	<0.001	<0.001	
2/28/2024	<0.001		<0.001	
2/29/2024		<0.001		<0.001
8/14/2024		<0.001	<0.001	<0.001
8/15/2024	<0.001			
3/12/2025		<0.001		<0.001
3/13/2025	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19	PZ-23A
8/31/2016				<0.001
9/7/2016	<0.001	<0.001	<0.001	
12/7/2016				0.0002 (J)
12/8/2016	<0.001	<0.001	0.0003 (J)	
3/21/2017				0.0003 (J)
3/22/2017	<0.001	4E-05 (J)		
3/23/2017			0.0003 (J)	
7/11/2017				0.0002 (J)
7/12/2017	<0.001	<0.001	0.0004 (J)	
10/18/2017	<0.001	5E-05 (J)		0.0001 (J)
10/19/2017			0.0005 (J)	
2/20/2018				0.00026 (J)
2/21/2018	<0.001	<0.001	0.00049 (J)	
7/11/2018				0.00018 (J)
7/12/2018			0.00077 (J)	
8/15/2018		<0.001		
8/16/2018	<0.001			
9/13/2018		<0.001		<0.001
9/14/2018	<0.001		0.00076 (J)	
8/21/2019				0.00016 (J)
8/22/2019	0.00018 (J)	7E-05 (J)	0.00055 (J)	
9/10/2019				<0.001
10/2/2019	0.00016 (J)			
10/3/2019		<0.001	0.00071 (J)	
3/25/2020	0.0002 (J)			0.00015 (J)
3/26/2020		7.1E-05 (J)	0.00068 (J)	
8/26/2020	0.00025 (J)		0.00056 (J)	0.00016 (J)
8/27/2020		<0.001		
10/6/2020				<0.001
10/7/2020	0.00022 (J)	<0.001	0.0007 (J)	
3/3/2021			0.00072 (J)	0.00017 (J)
3/4/2021	0.00039 (J)	<0.001		
9/15/2021				<0.001
9/16/2021	0.00034 (J)	<0.001	0.00066 (J)	
1/26/2022				<0.001
1/27/2022	0.00038 (J)	<0.001	0.00063 (J)	
8/25/2022	0.00037 (J)	<0.001	0.00053 (J)	<0.001
2/14/2023				<0.001
2/15/2023		<0.001	0.00051 (J)	
2/16/2023	0.00038 (J)			
9/20/2023	0.00024 (J)	<0.001	0.00052 (J)	<0.001
2/28/2024				<0.001
2/29/2024	<0.001	<0.001	0.0005 (J)	
8/14/2024		<0.001	0.00045 (J)	<0.001
8/15/2024	<0.001			
3/12/2025	0.00035 (J)	<0.001	0.00054 (J)	
3/13/2025				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:24 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

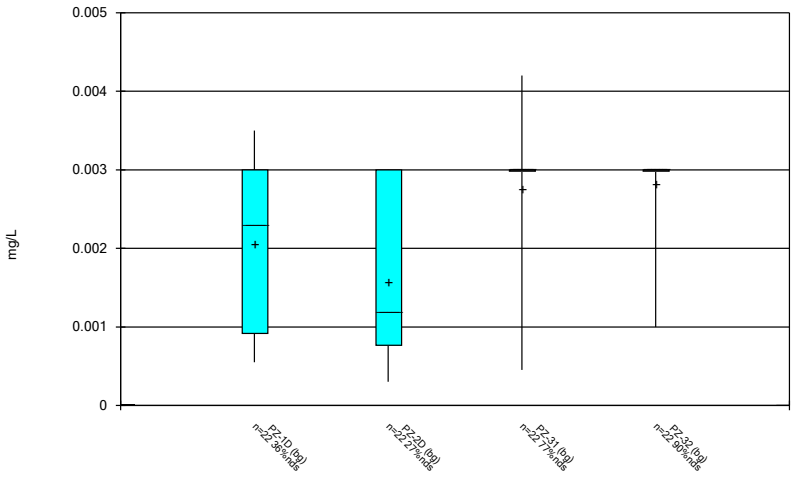
	PZ-25	PZ-33	PZ-57
9/8/2016	<0.001		
12/8/2016	<0.001	<0.001	
3/22/2017	<0.001		
3/23/2017		0.0001 (J)	
7/11/2017	<0.001		
7/12/2017		0.0001 (J)	
10/18/2017	<0.001		
10/19/2017		0.0001 (J)	
2/21/2018	<0.001	<0.001	
7/12/2018	<0.001	<0.001	
9/13/2018	<0.001		
9/14/2018		<0.001	
10/4/2018		<0.001	
8/21/2019	0.00046 (J)		
8/22/2019		0.00017 (J)	
10/2/2019	0.00024 (J)		
10/3/2019		0.00018 (J)	
3/25/2020	0.00037 (J)		
3/26/2020		0.00015 (J)	
8/26/2020	0.00037 (J)	<0.001	
10/7/2020	0.00027 (J)	<0.001	
3/3/2021	0.00036 (J)		
3/4/2021		<0.001	
9/15/2021	0.00066 (J)		
9/16/2021		<0.001	
1/26/2022	0.00039 (J)		
1/27/2022		<0.001	<0.001
8/24/2022	0.00048 (J)	<0.001	
8/26/2022			<0.001
2/15/2023	0.00045 (J)		
2/16/2023		<0.001	<0.001
9/19/2023	0.00061 (J)		
9/21/2023		<0.001	<0.001
2/27/2024	0.00065 (J)		
2/29/2024		<0.001	<0.001
8/13/2024	0.0008 (J)		
8/15/2024		<0.001	<0.001
3/12/2025	0.00075 (J)		
3/13/2025		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

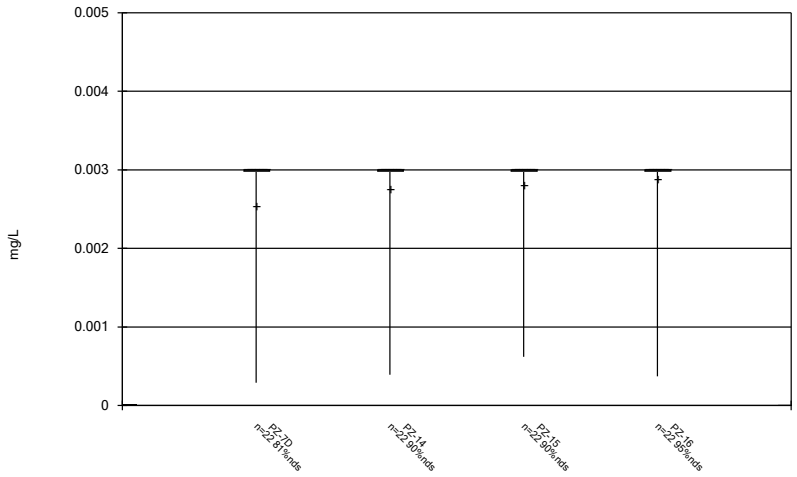
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/19/2025 3:26 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

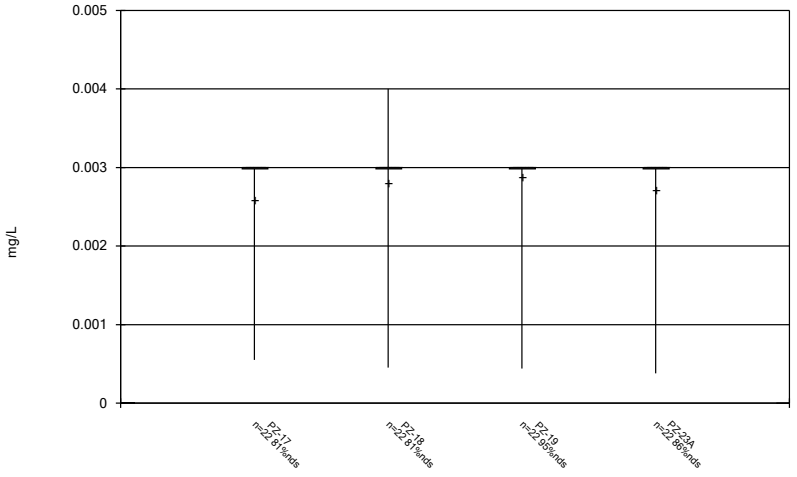
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/19/2025 3:26 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

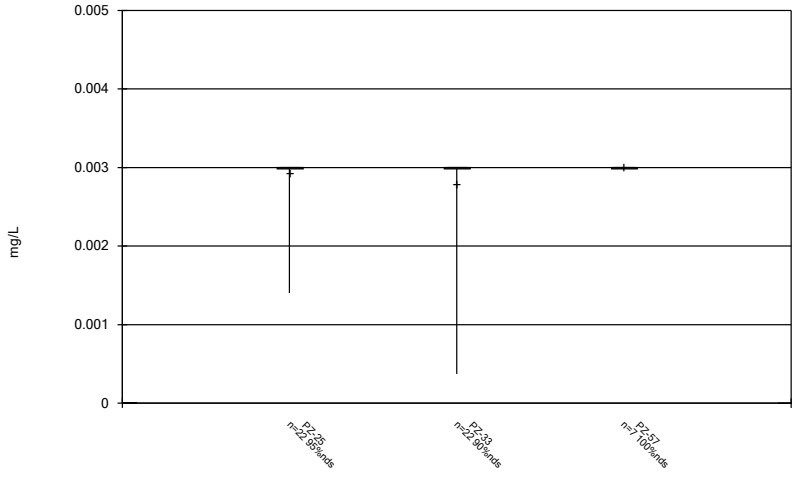
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/19/2025 3:26 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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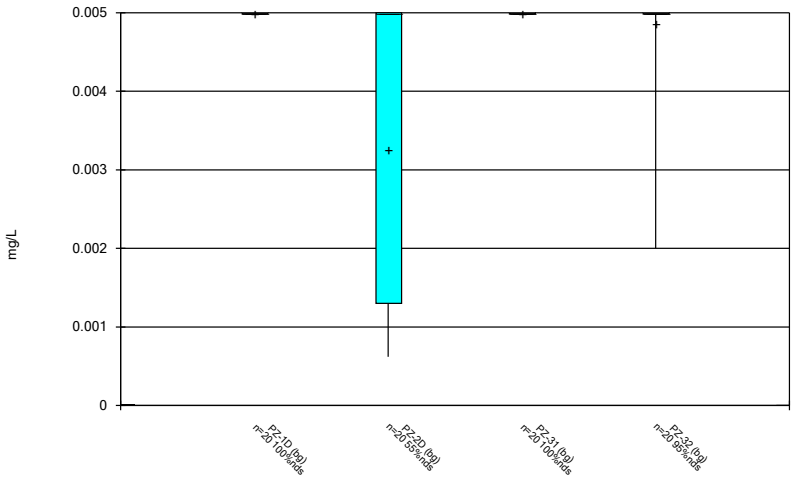
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/19/2025 3:26 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

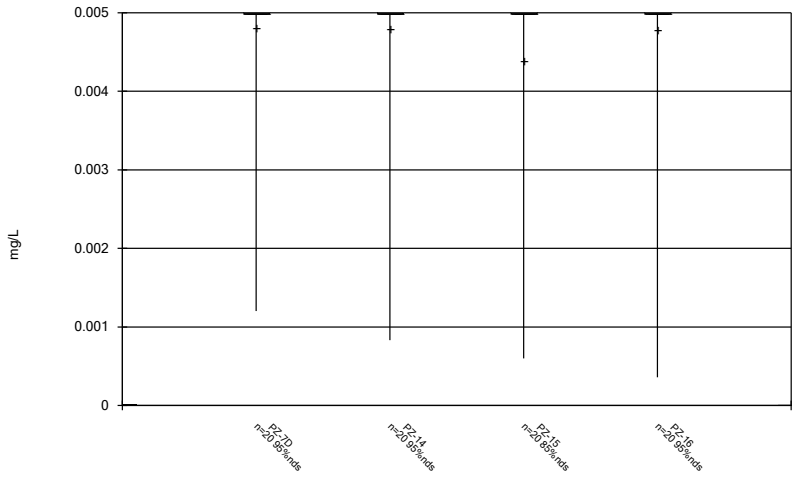


Constituent: Arsenic Analysis Run 6/19/2025 3:26 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

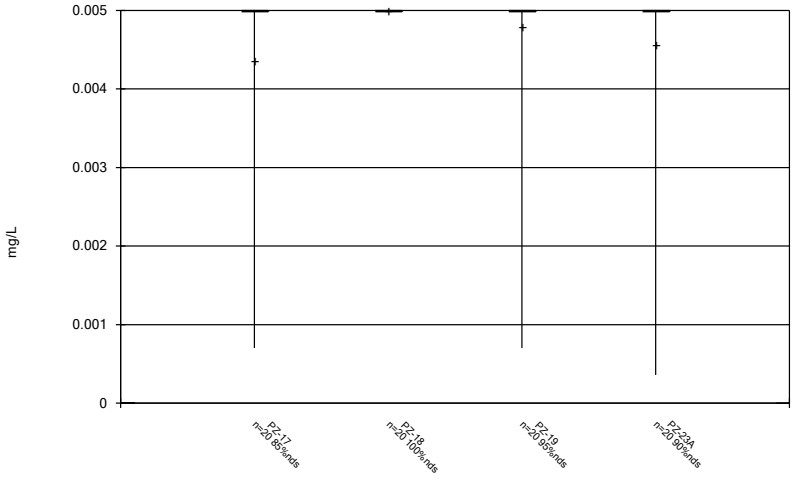


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Box & Whiskers Plot

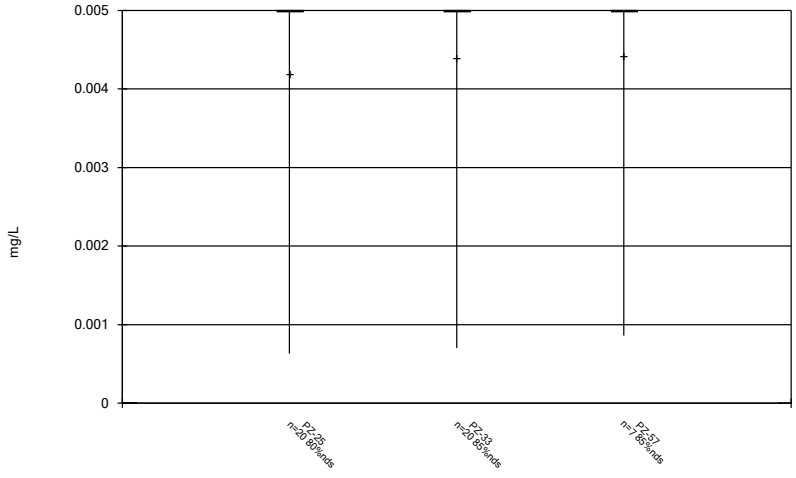


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Box & Whiskers Plot

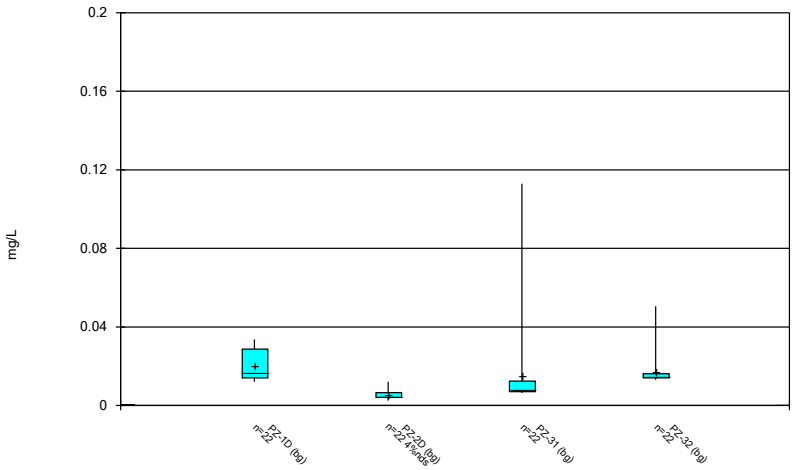


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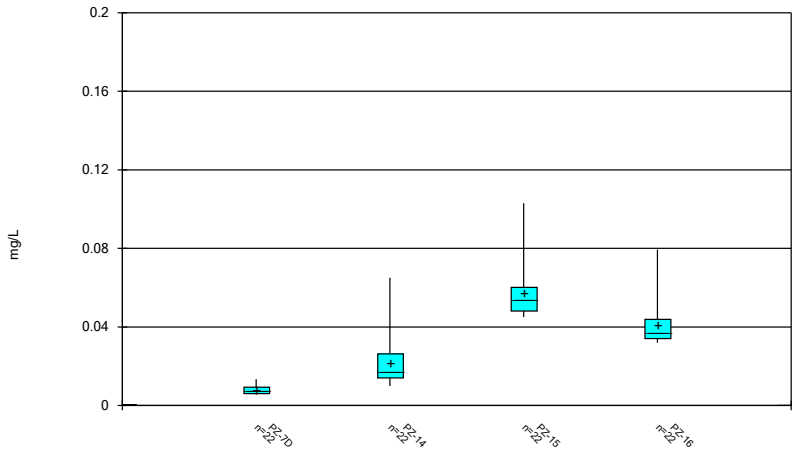
Box & Whiskers Plot



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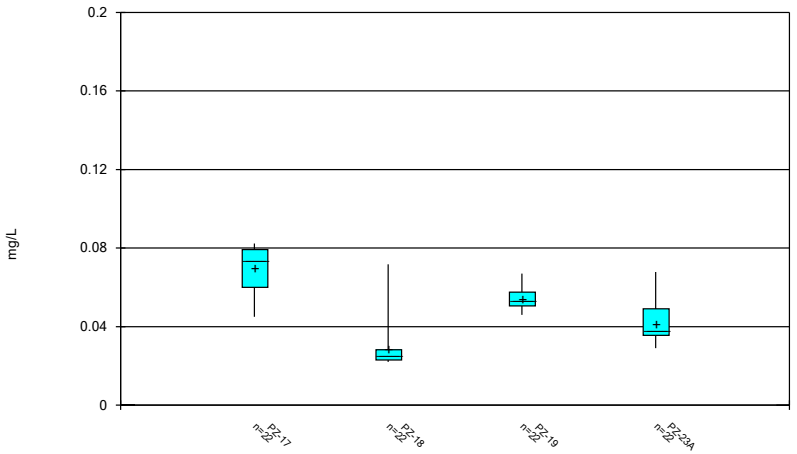
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

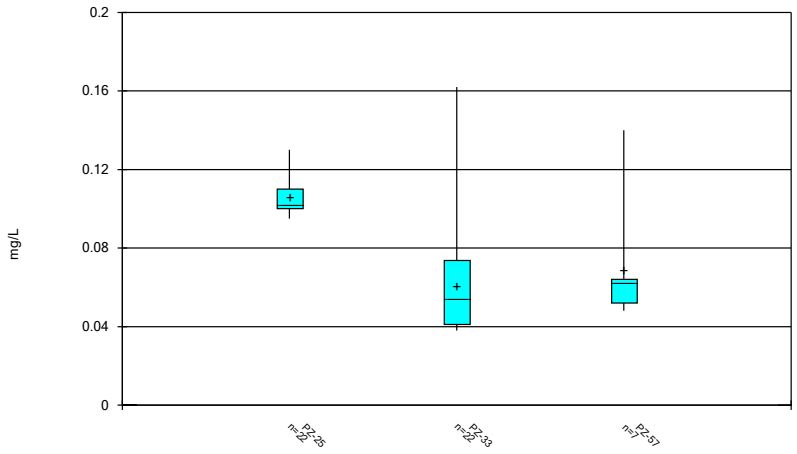
Box & Whiskers Plot



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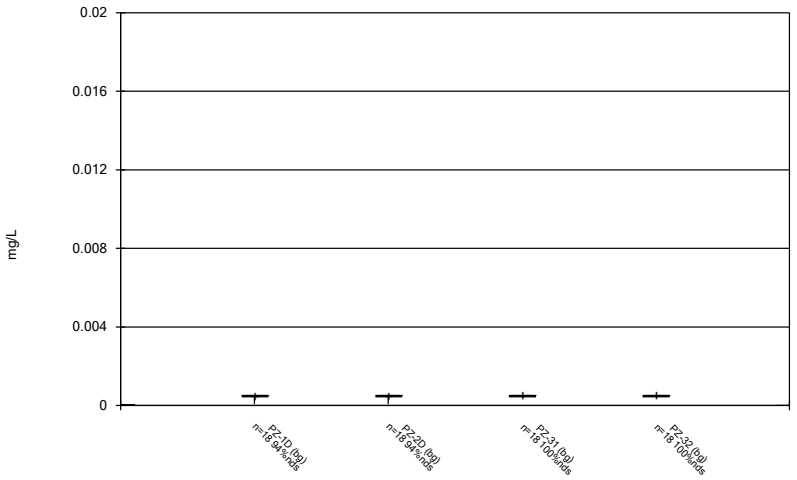
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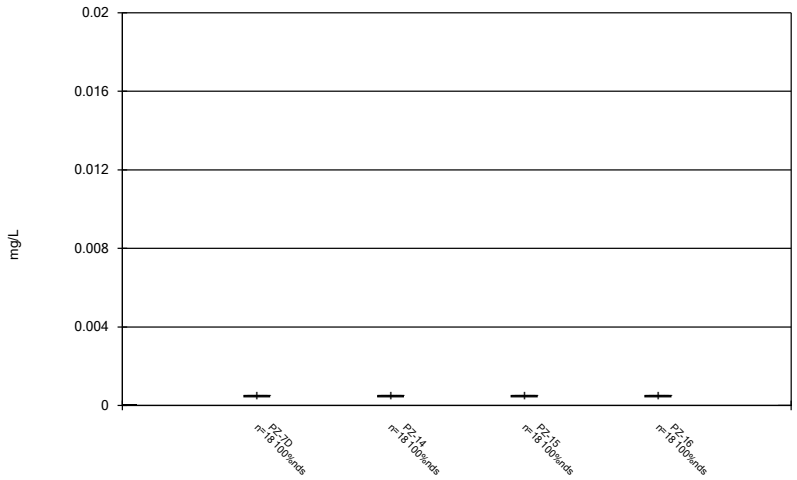
Box & Whiskers Plot



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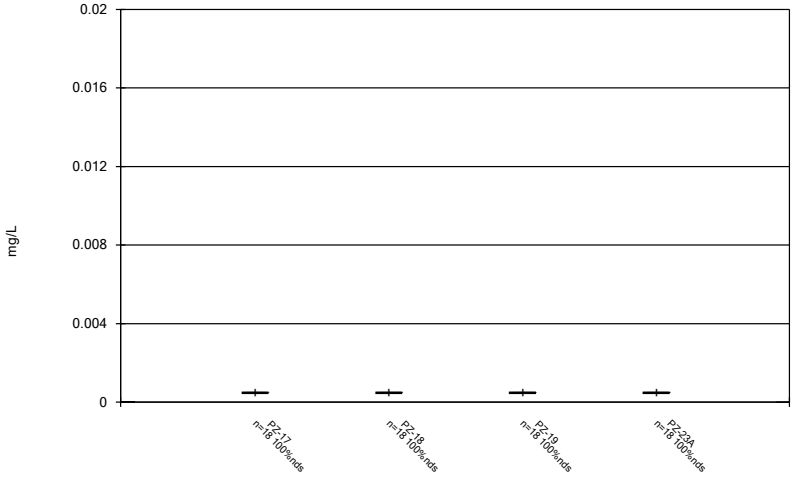
Box & Whiskers Plot



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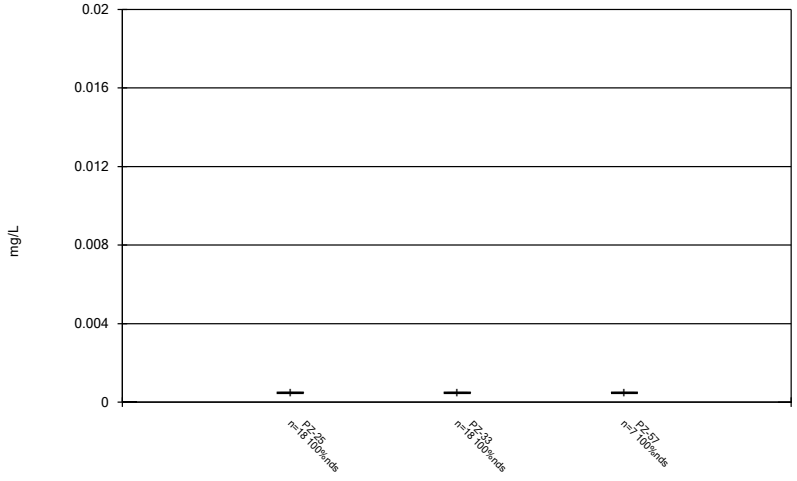
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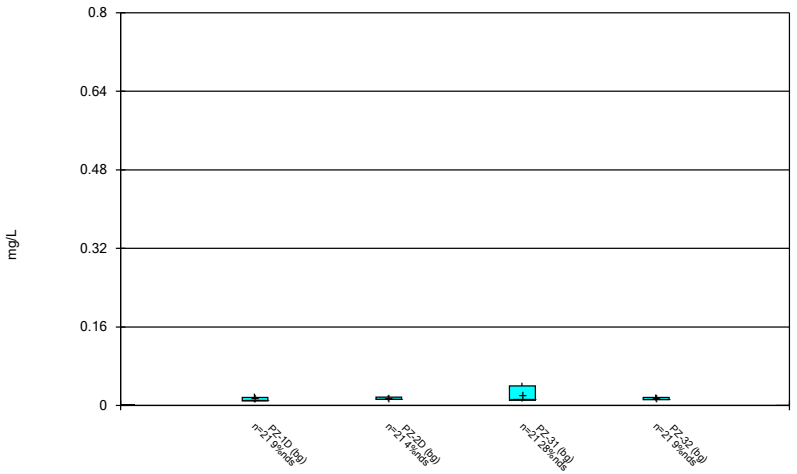
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

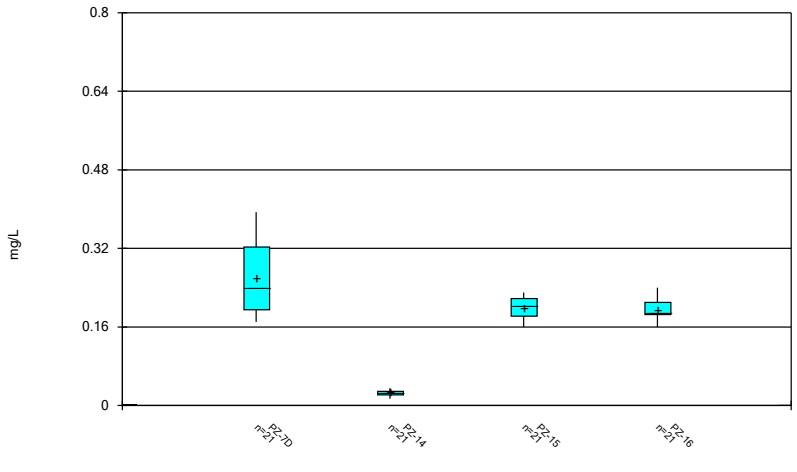


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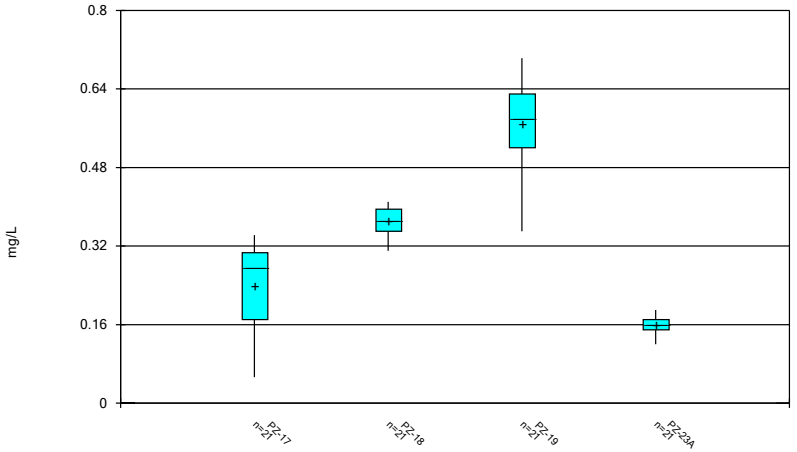


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Box & Whiskers Plot

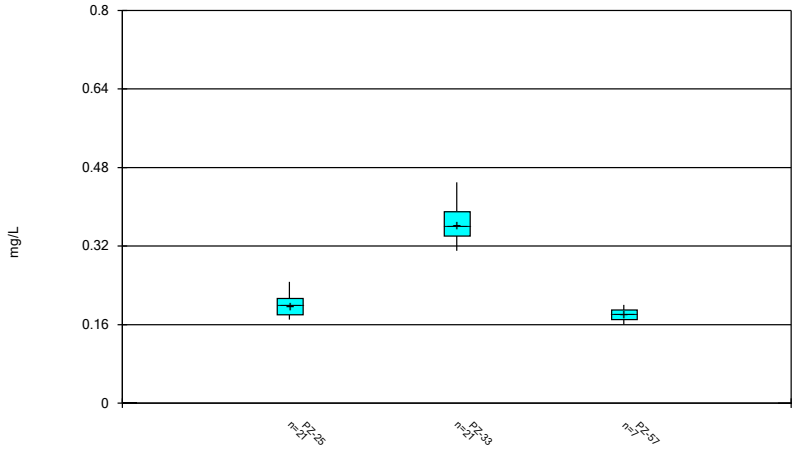


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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

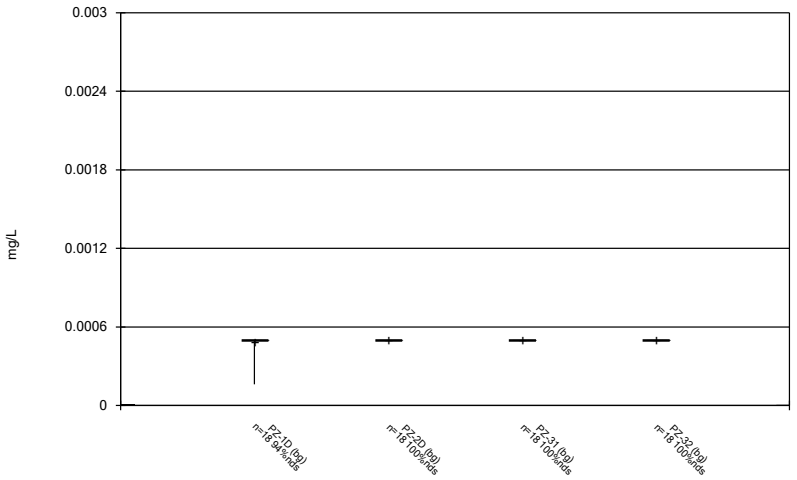


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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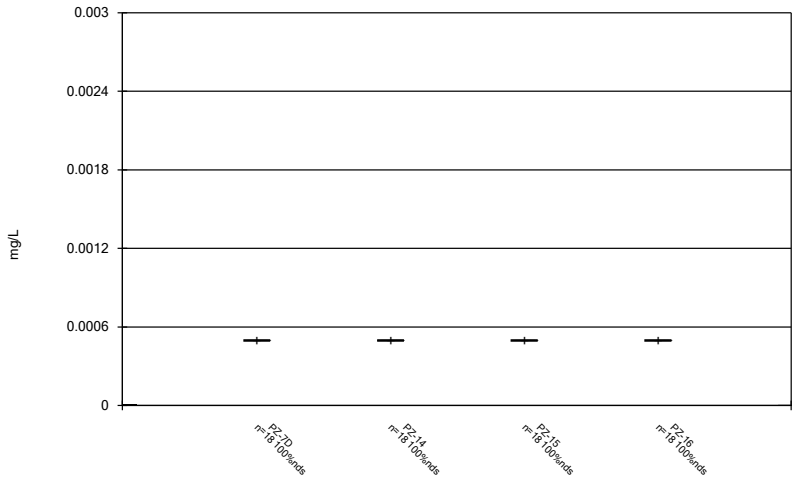
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

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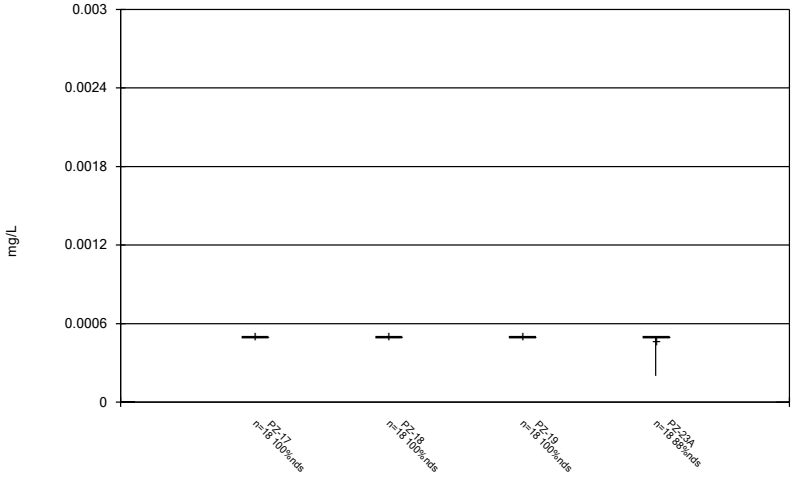
Box & Whiskers Plot



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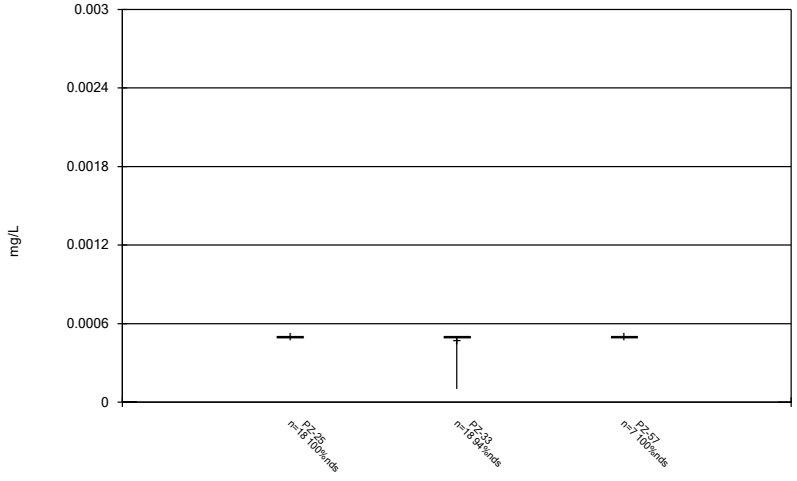
Box & Whiskers Plot



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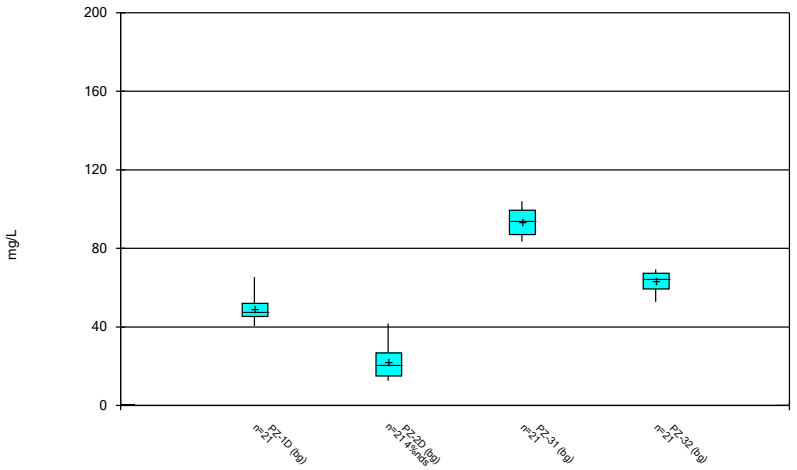
Box & Whiskers Plot



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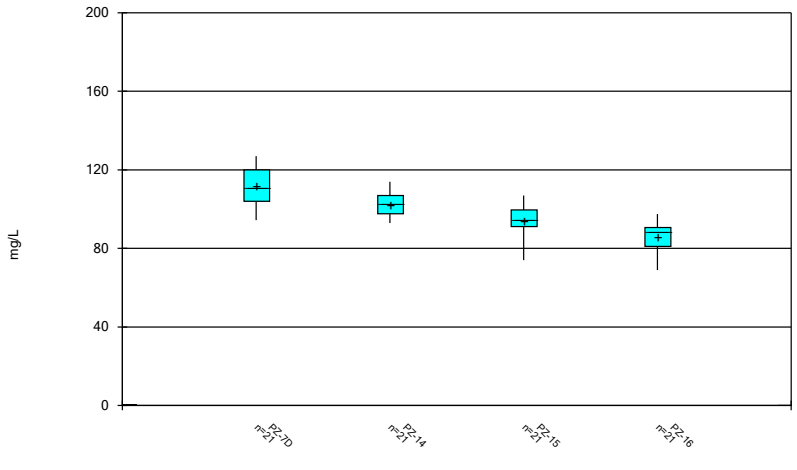
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

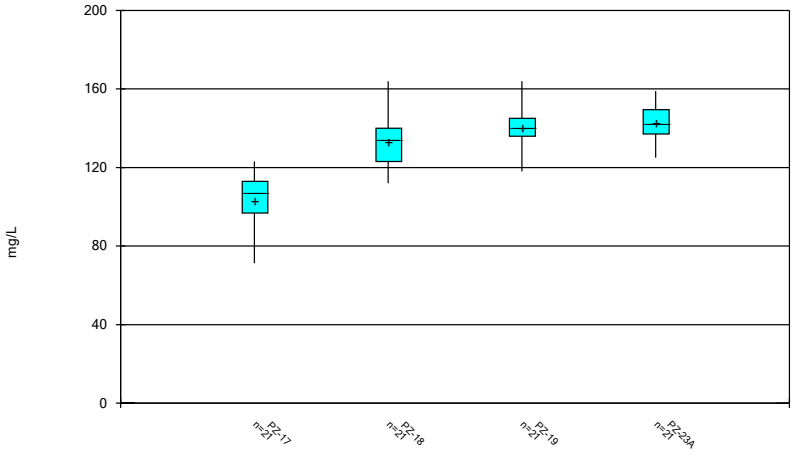
Box & Whiskers Plot



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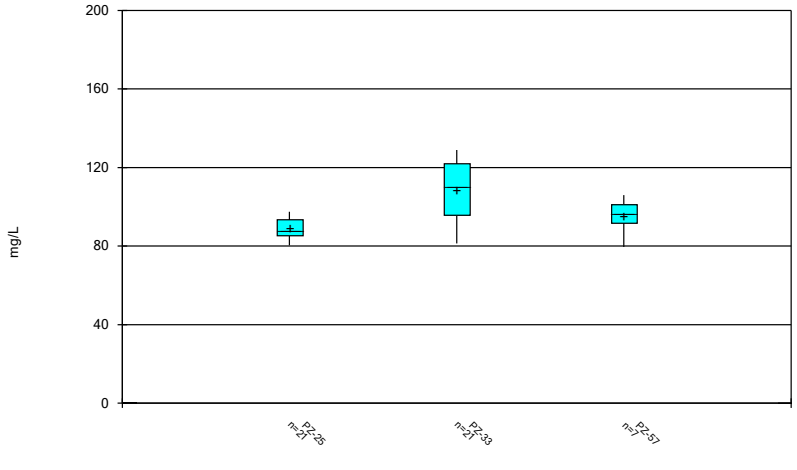
Box & Whiskers Plot



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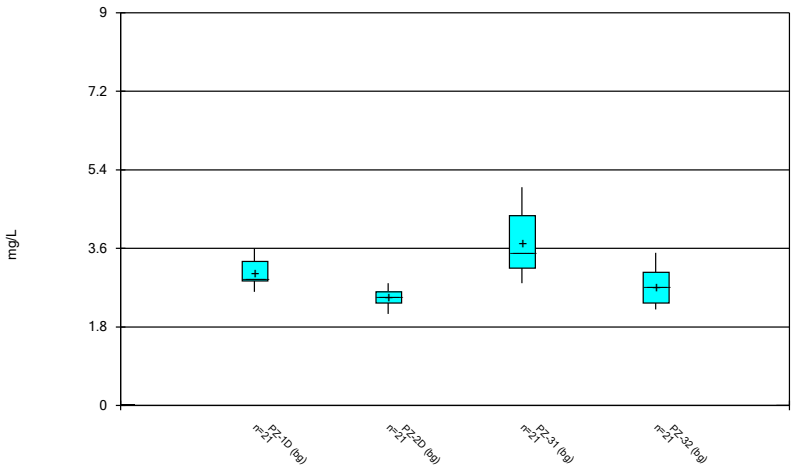
Box & Whiskers Plot



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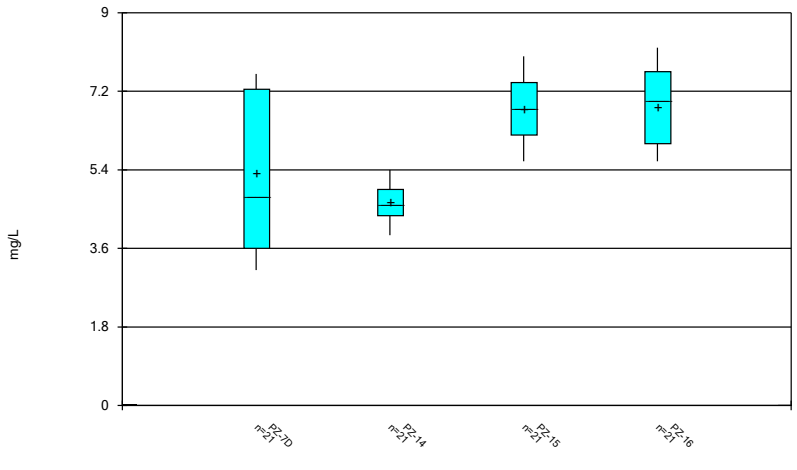
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

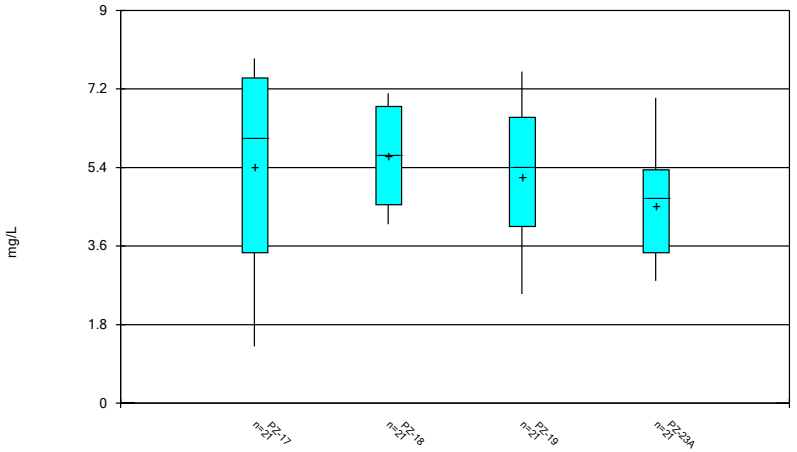
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

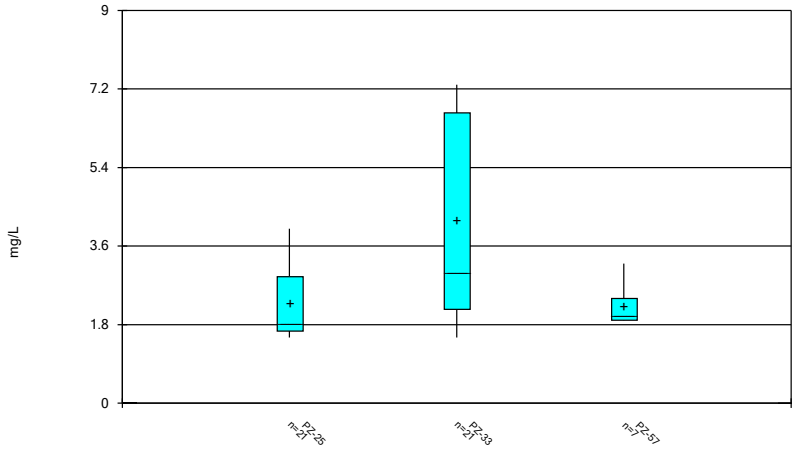
Box & Whiskers Plot



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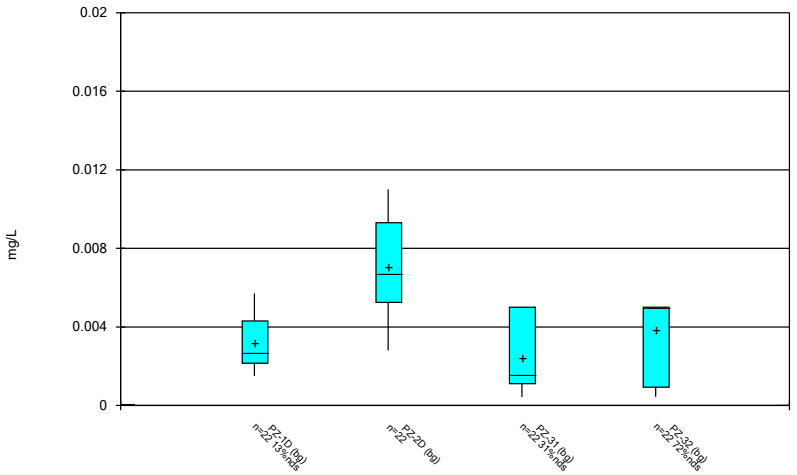
Box & Whiskers Plot



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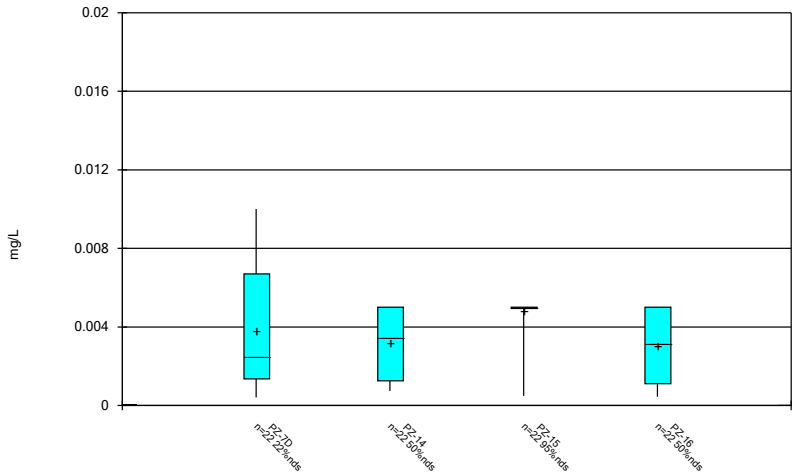
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

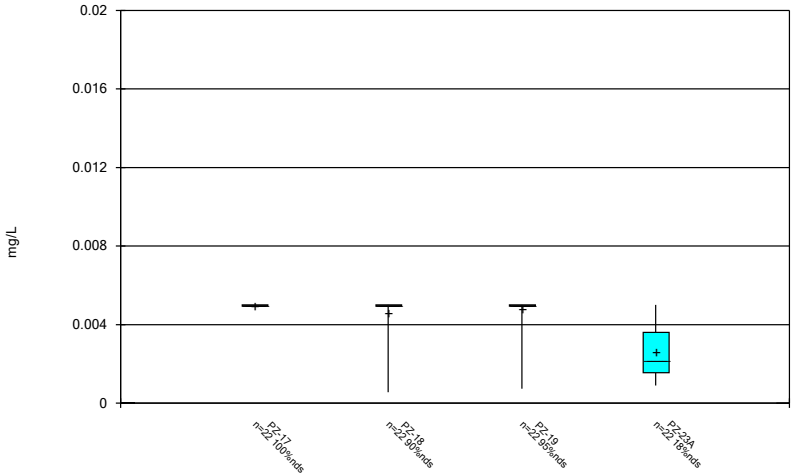
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

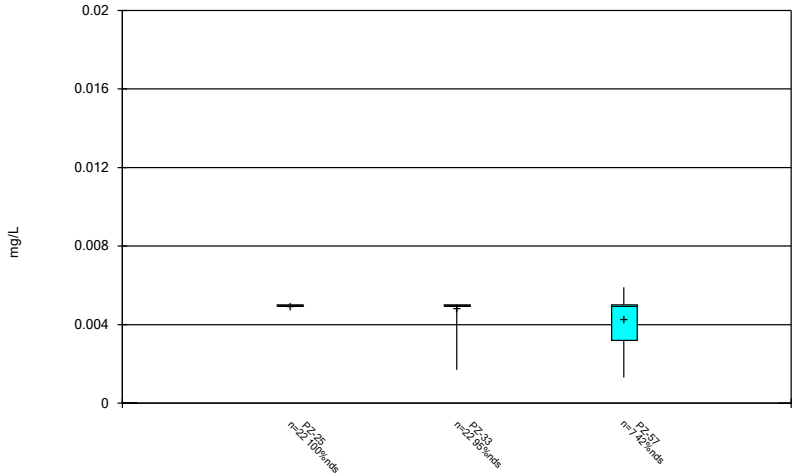
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

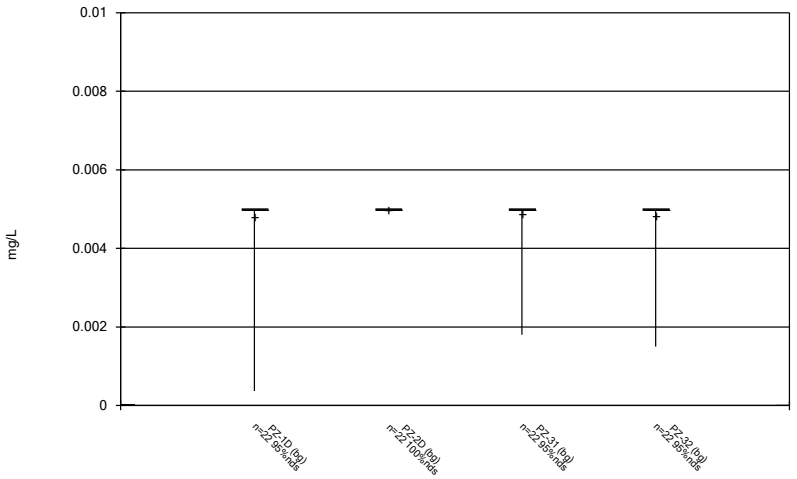
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

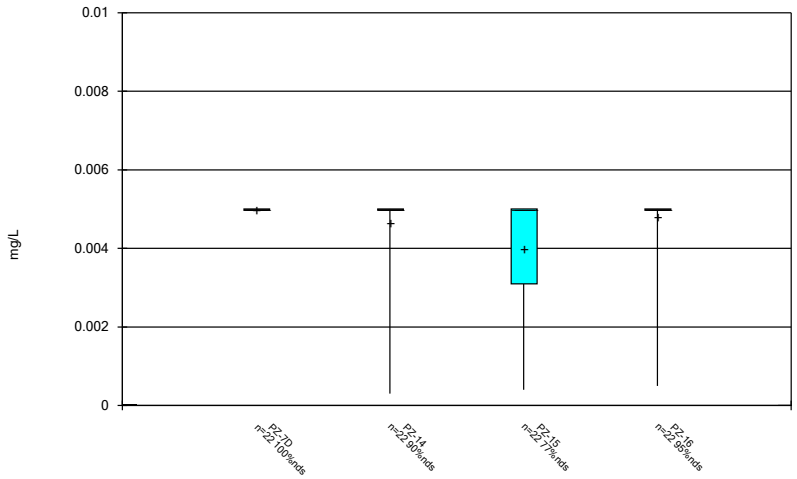


Constituent: Cobalt Analysis Run 6/19/2025 3:27 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

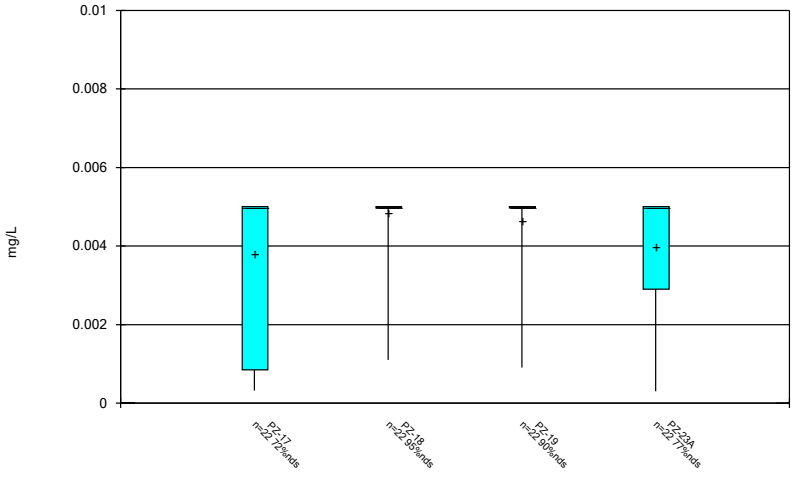


Constituent: Cobalt Analysis Run 6/19/2025 3:27 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

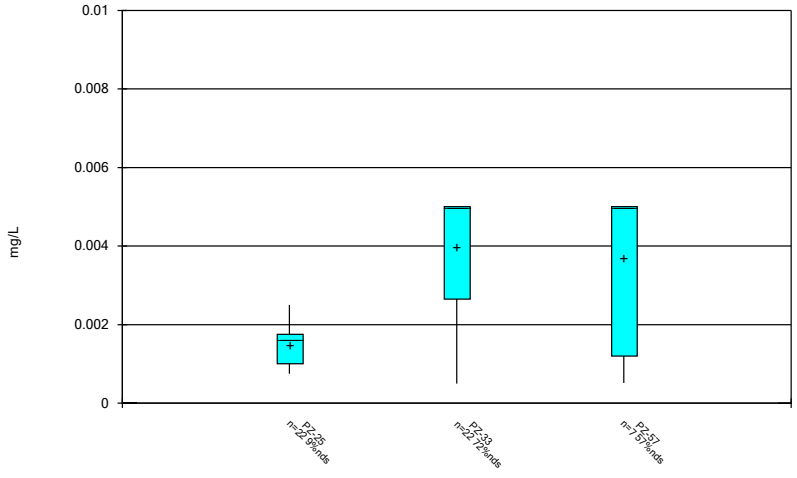


Constituent: Cobalt Analysis Run 6/19/2025 3:27 PM

Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

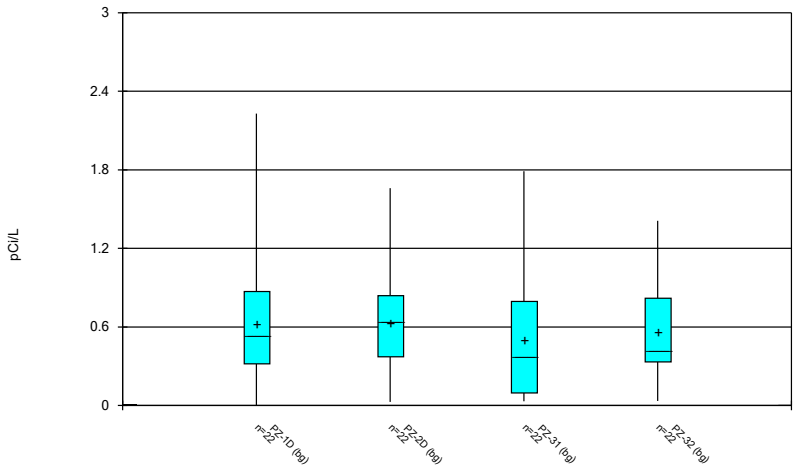


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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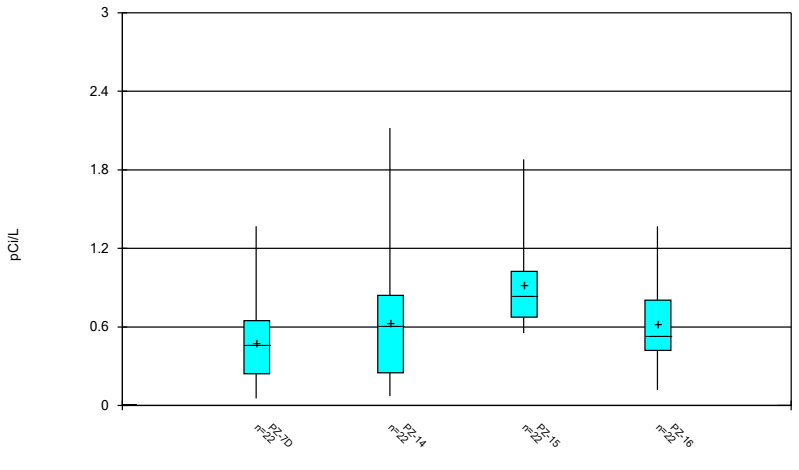
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

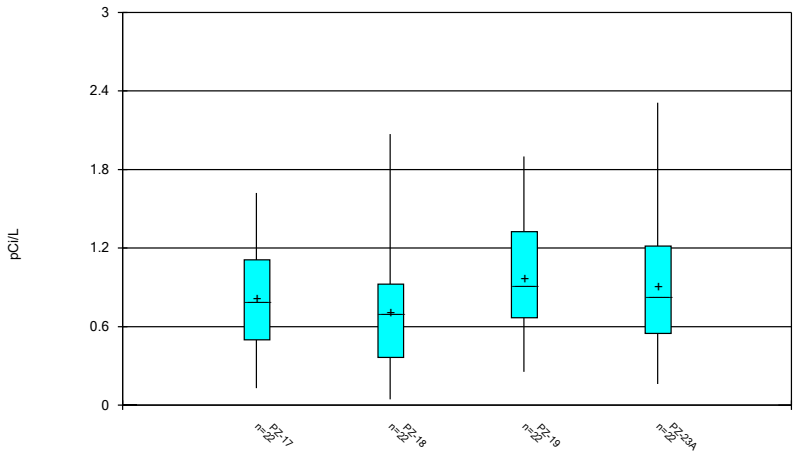
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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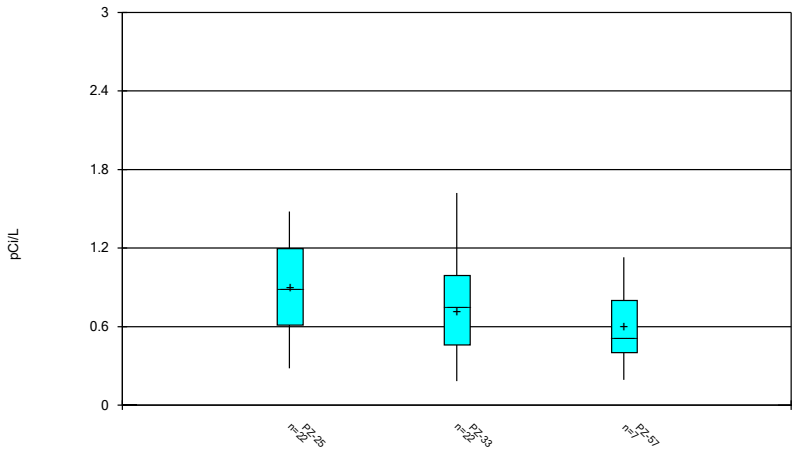
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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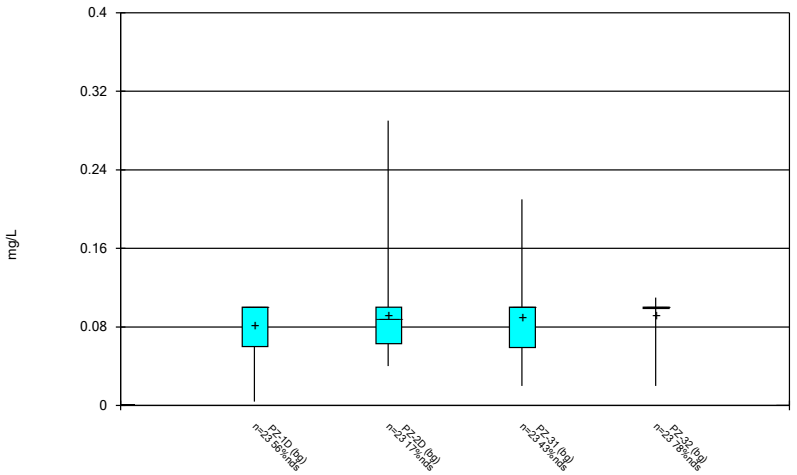
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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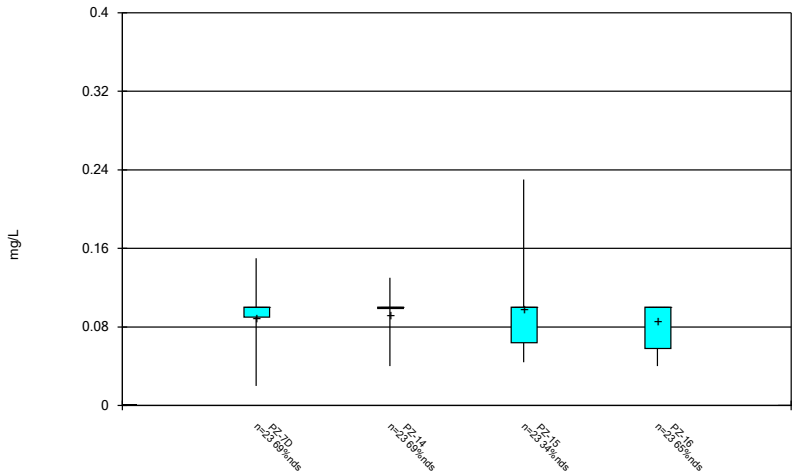
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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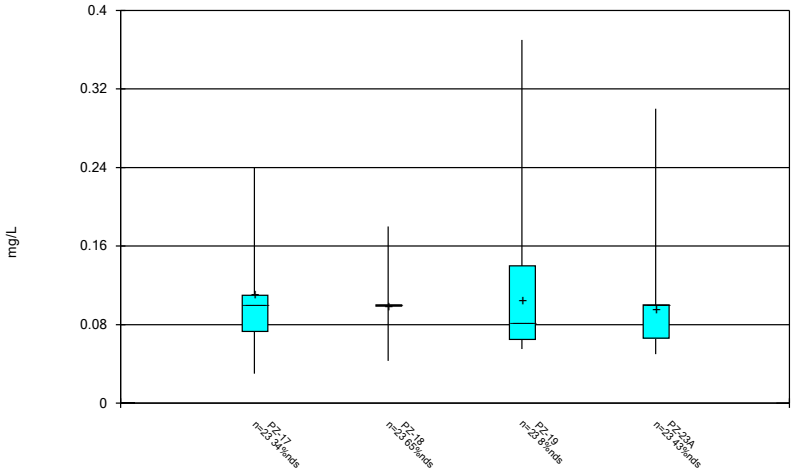
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

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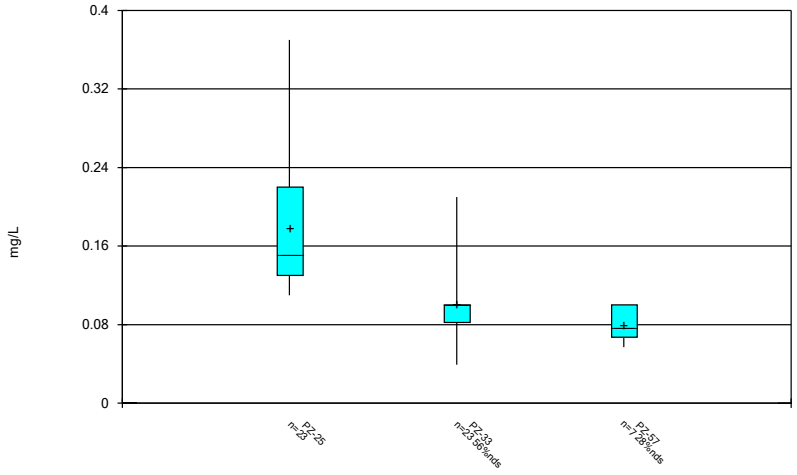
Box & Whiskers Plot



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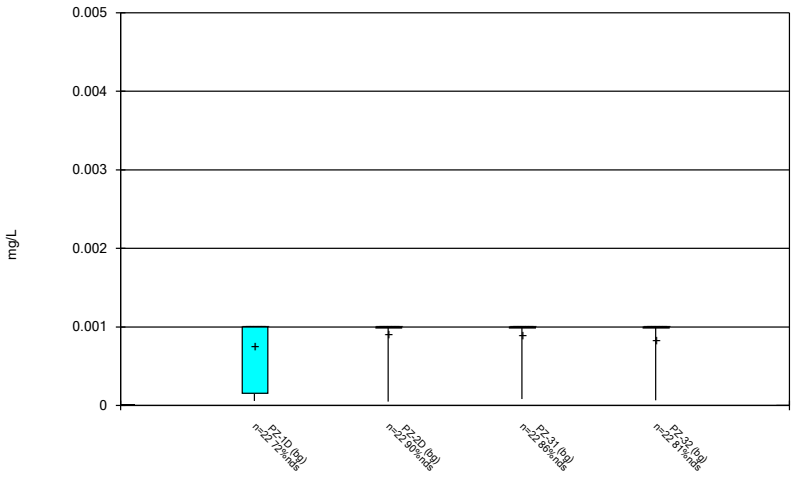
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Box & Whiskers Plot

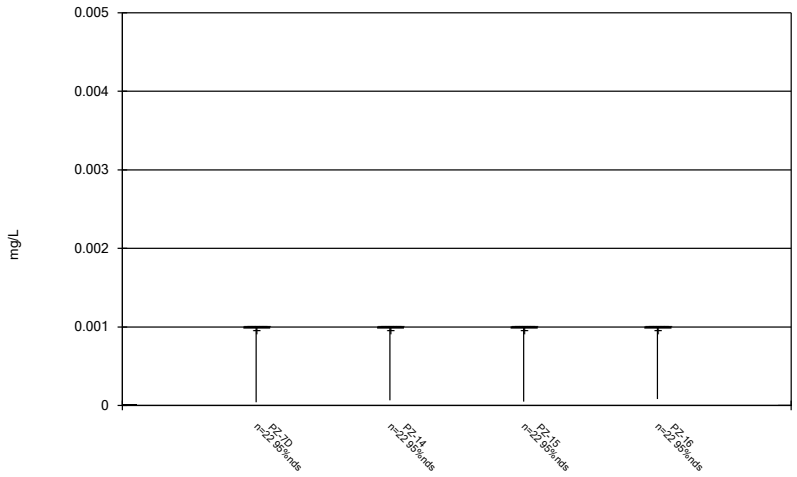


Constituent: Lead Analysis Run 6/19/2025 3:27 PM

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Box & Whiskers Plot

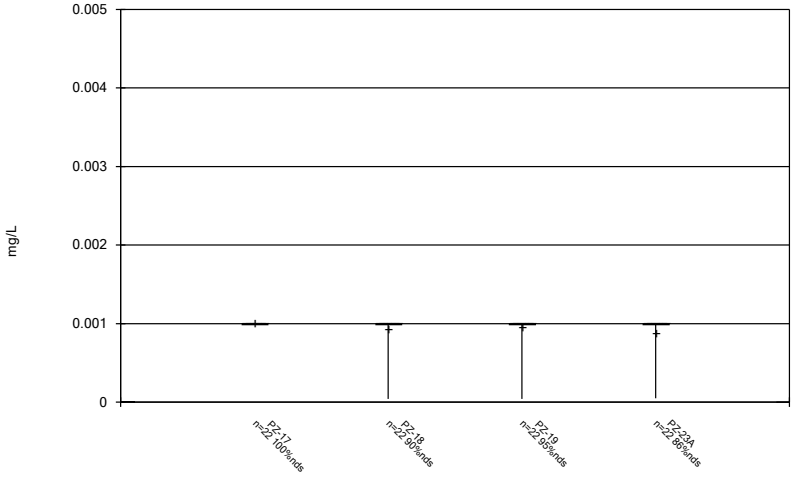


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Box & Whiskers Plot

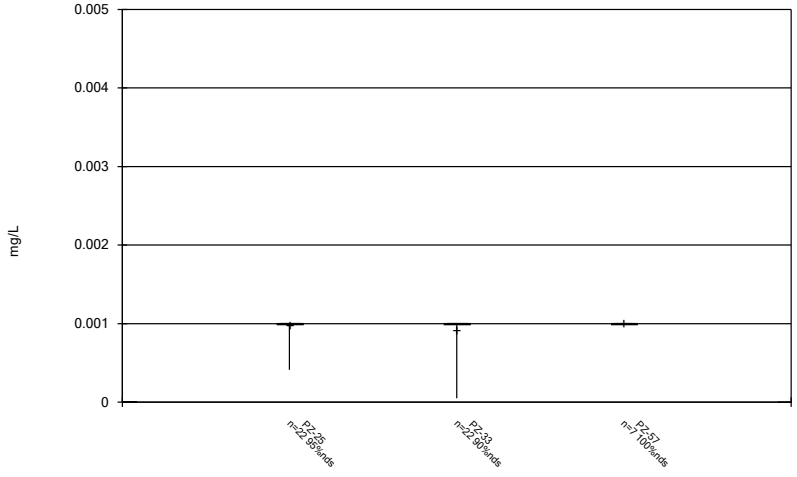


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Box & Whiskers Plot

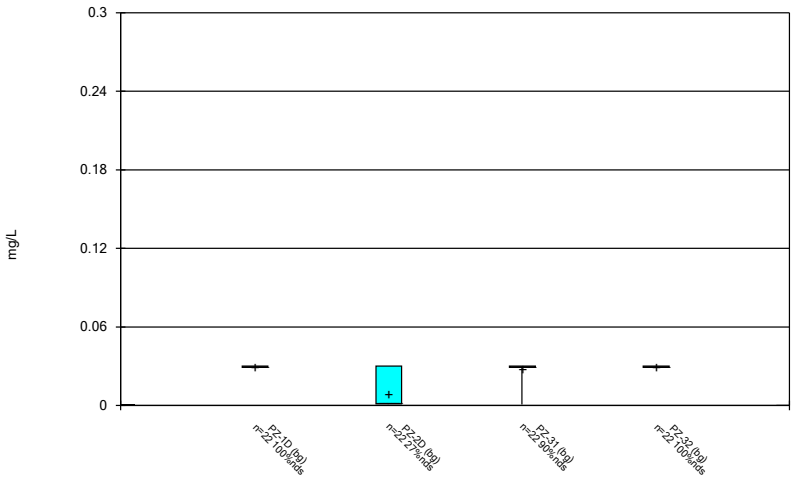


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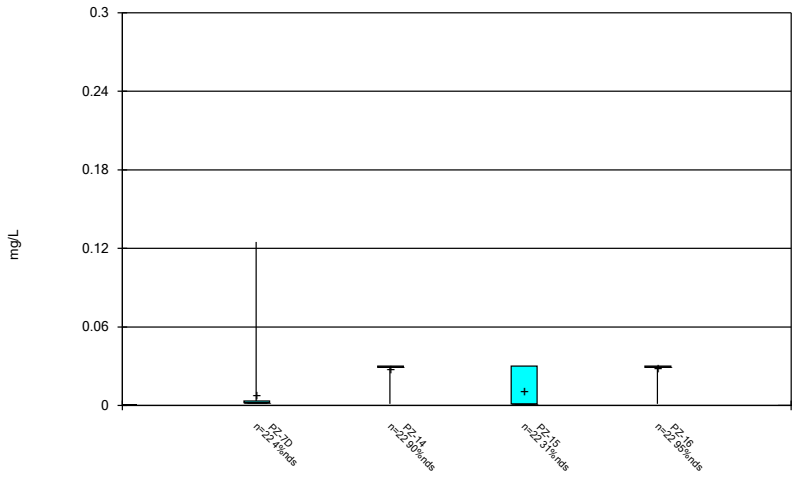
Box & Whiskers Plot



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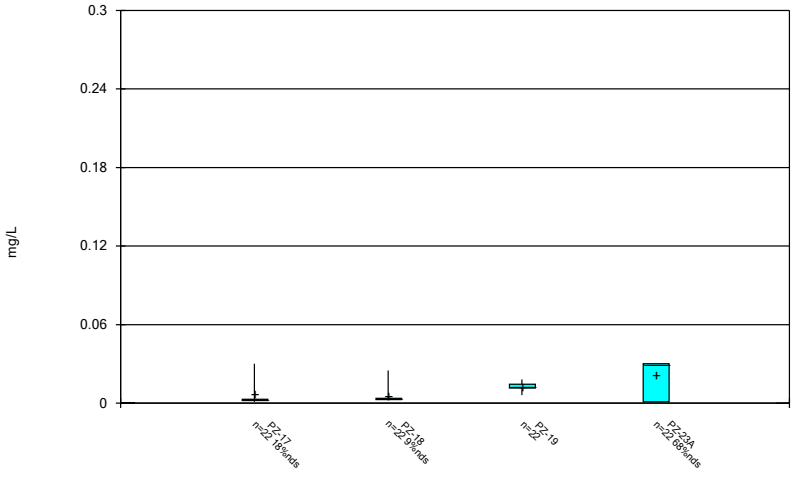
Box & Whiskers Plot



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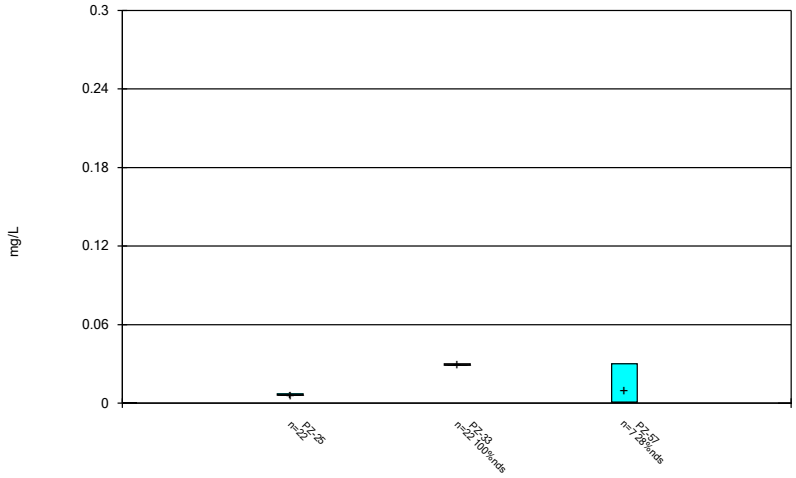
Box & Whiskers Plot



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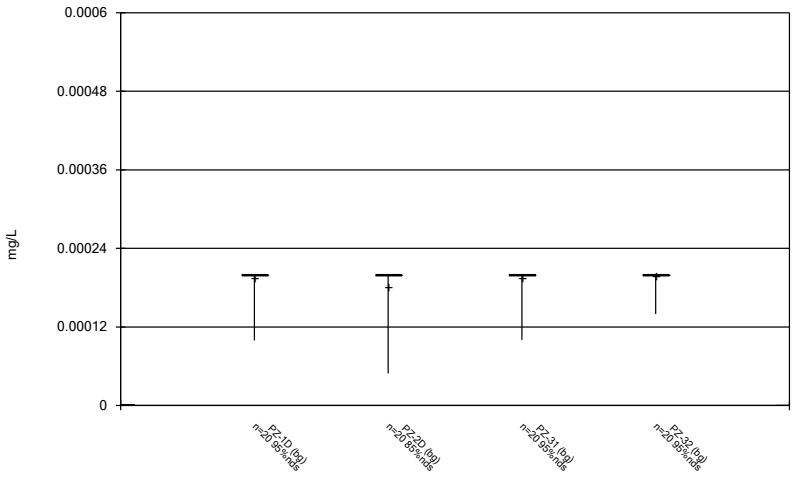
Box & Whiskers Plot



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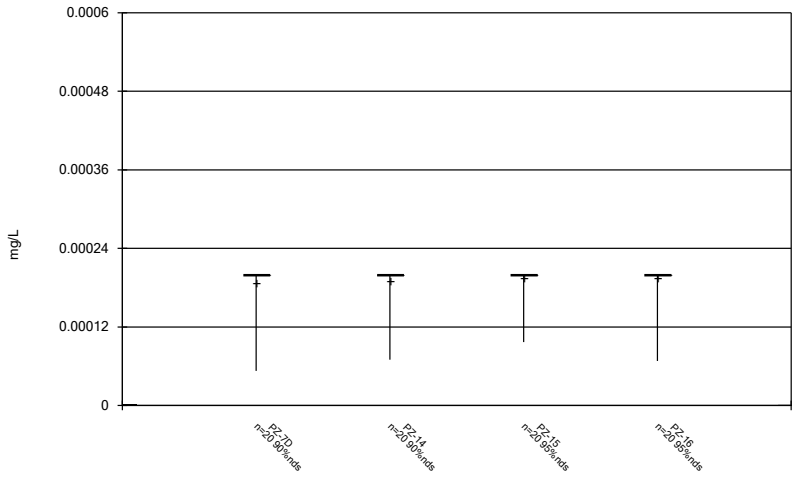
Box & Whiskers Plot



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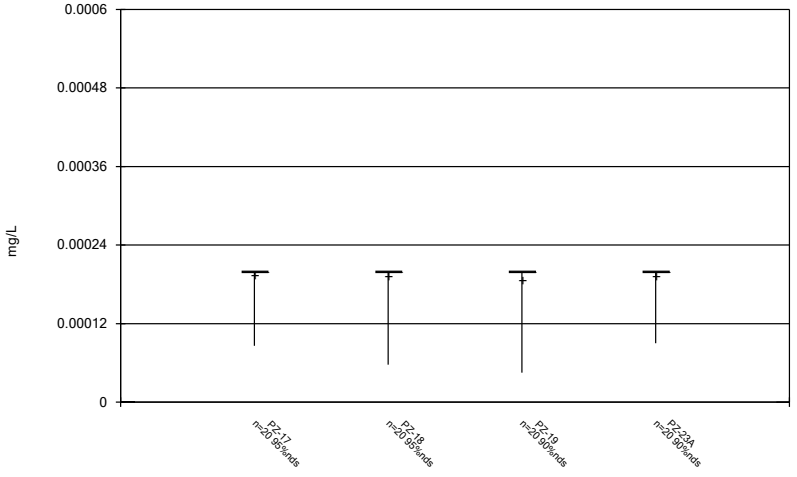
Box & Whiskers Plot



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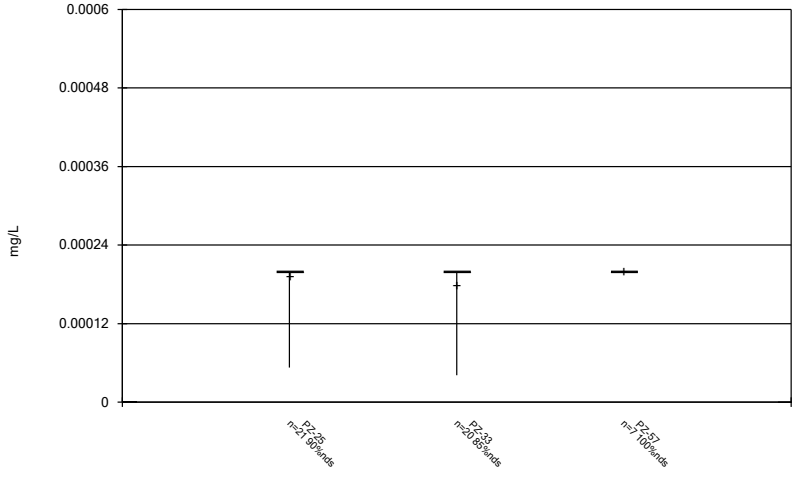
Box & Whiskers Plot



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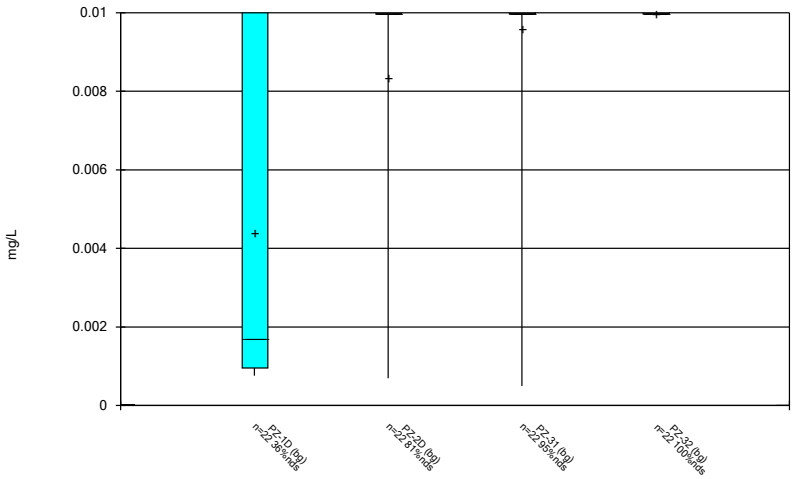
Box & Whiskers Plot



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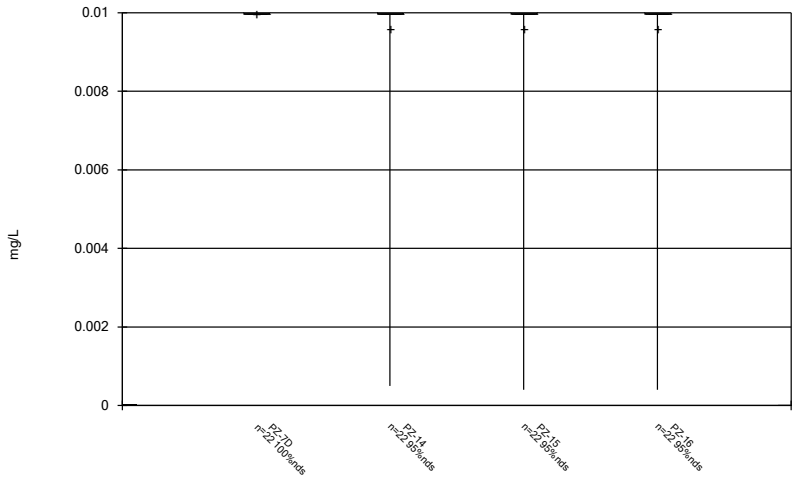
Box & Whiskers Plot



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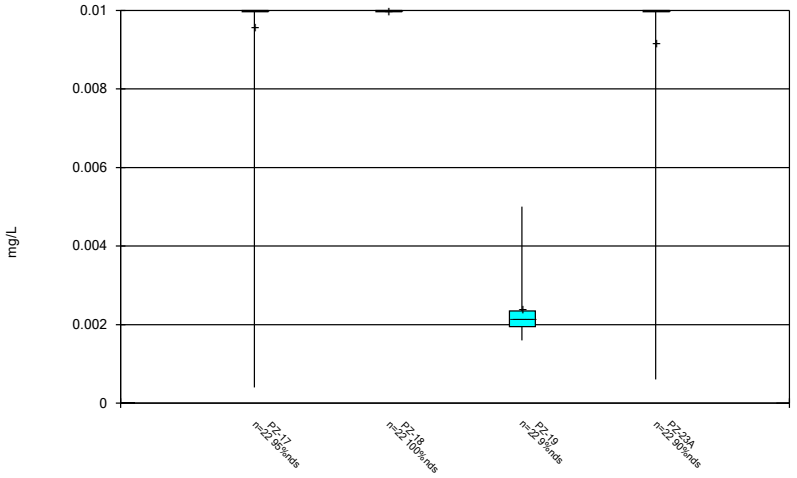
Box & Whiskers Plot



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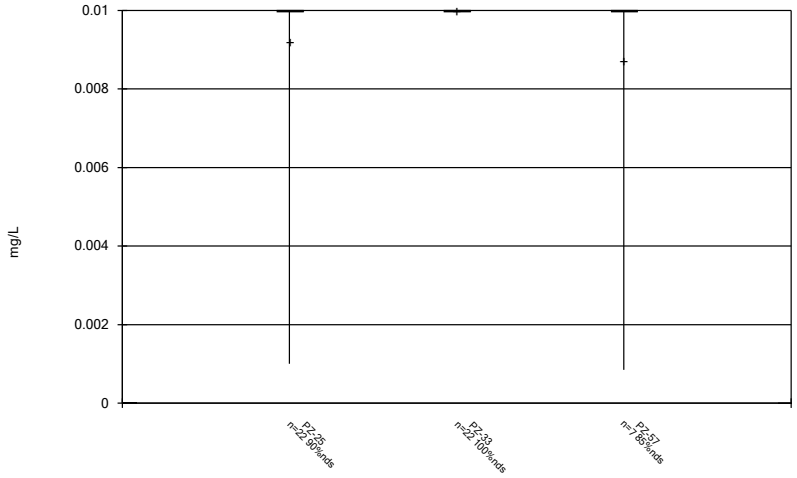
Box & Whiskers Plot



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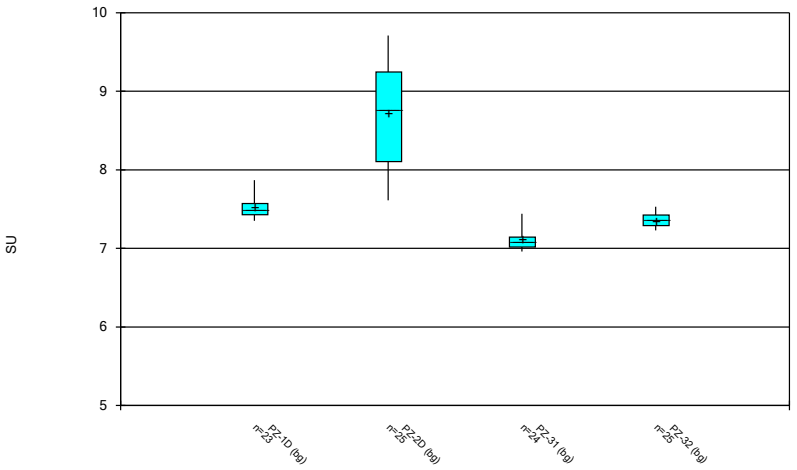
Box & Whiskers Plot



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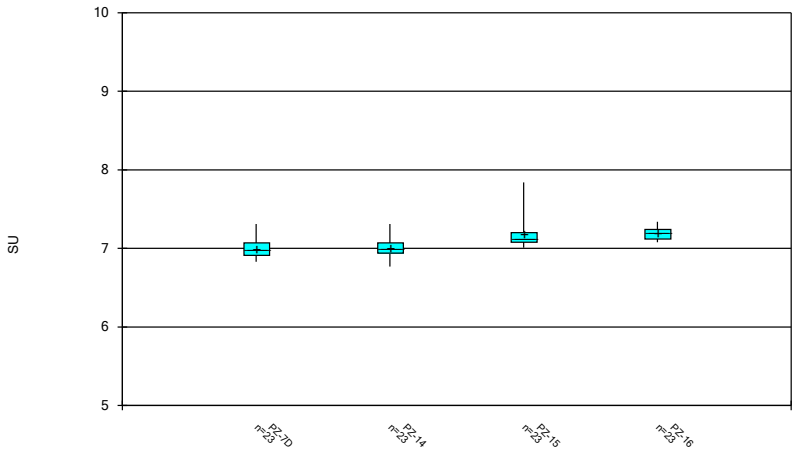
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2025 3:27 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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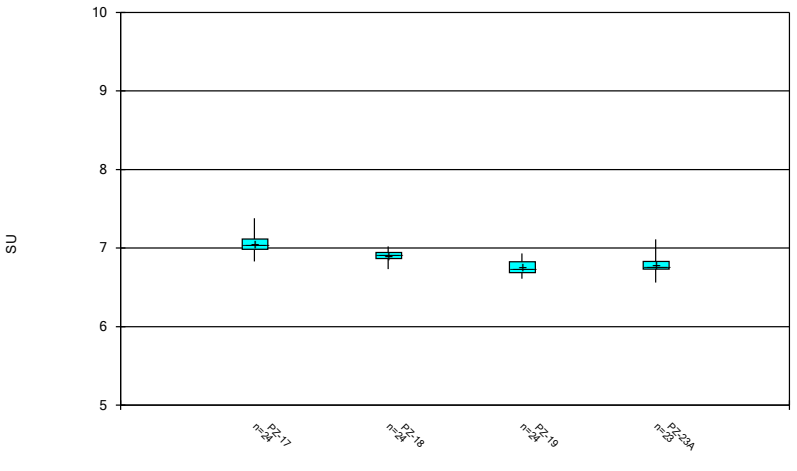
Box & Whiskers Plot



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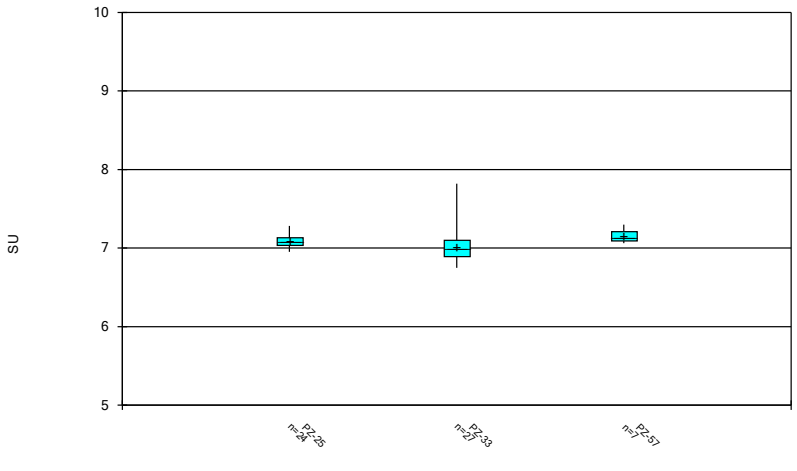
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2025 3:27 PM
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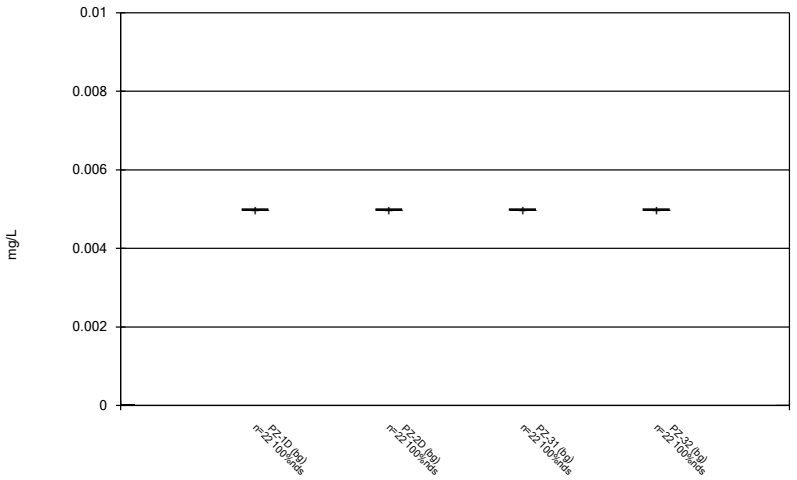
Box & Whiskers Plot



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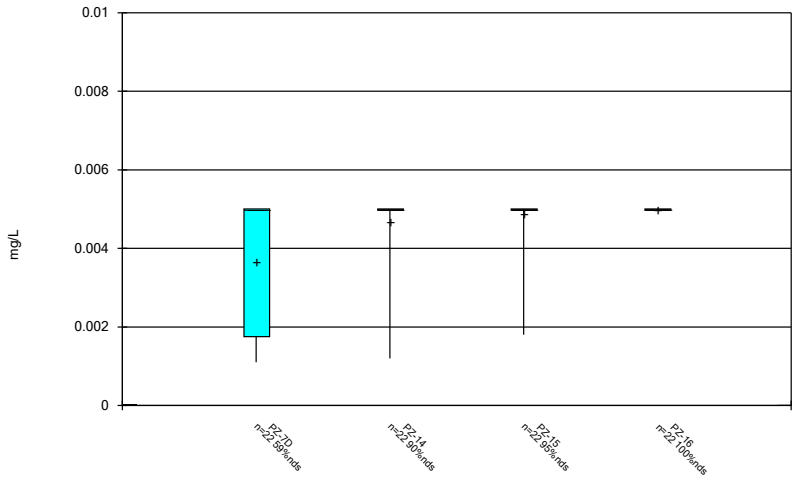
Box & Whiskers Plot



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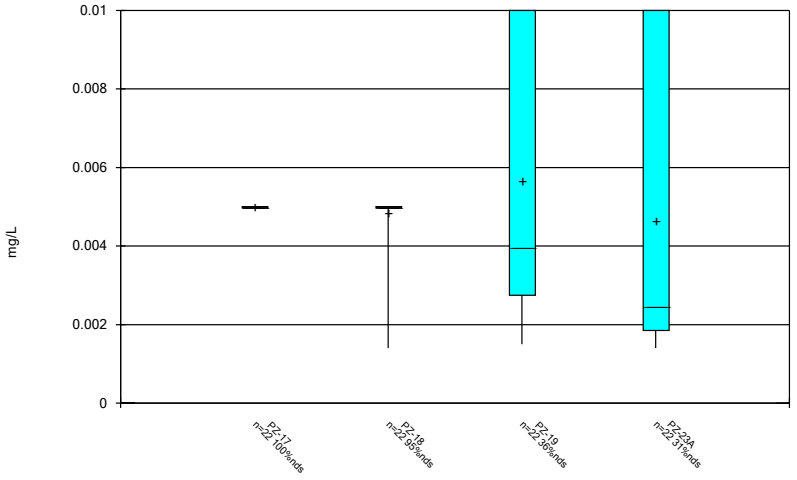
Box & Whiskers Plot



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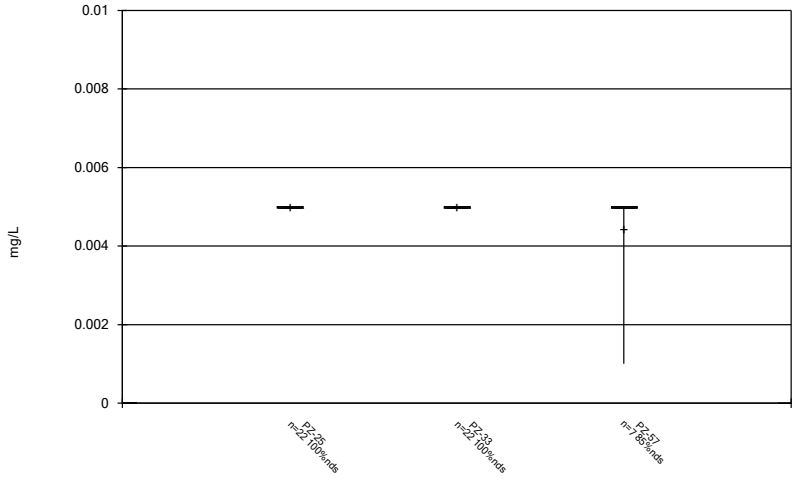
Box & Whiskers Plot



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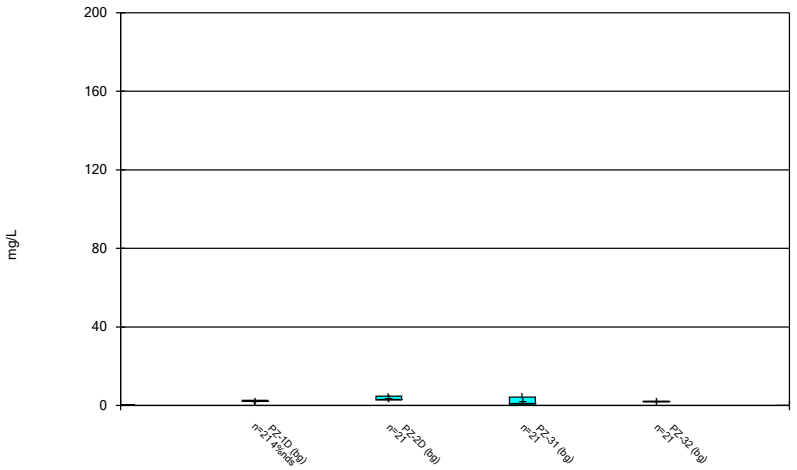
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

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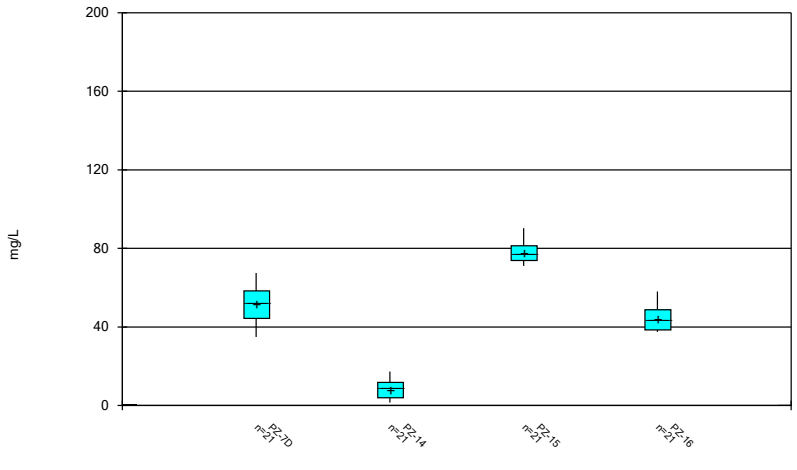
Box & Whiskers Plot



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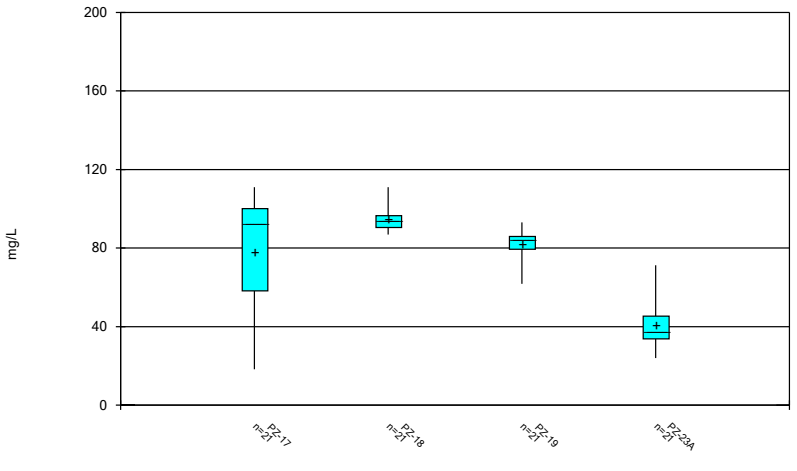
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

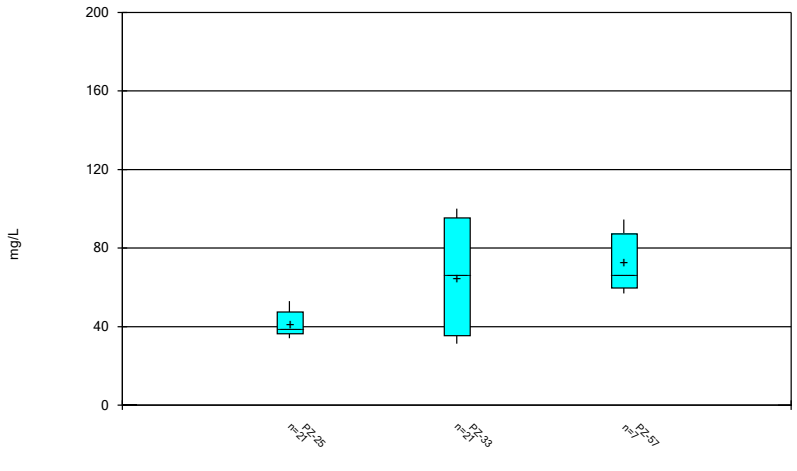
Box & Whiskers Plot



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Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

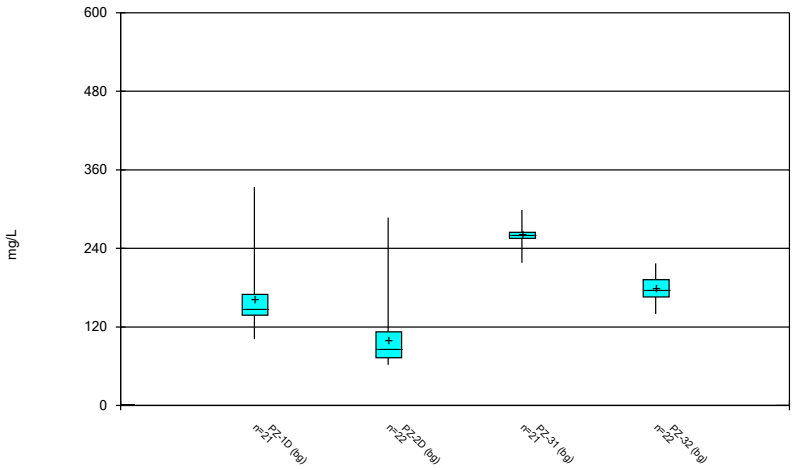
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

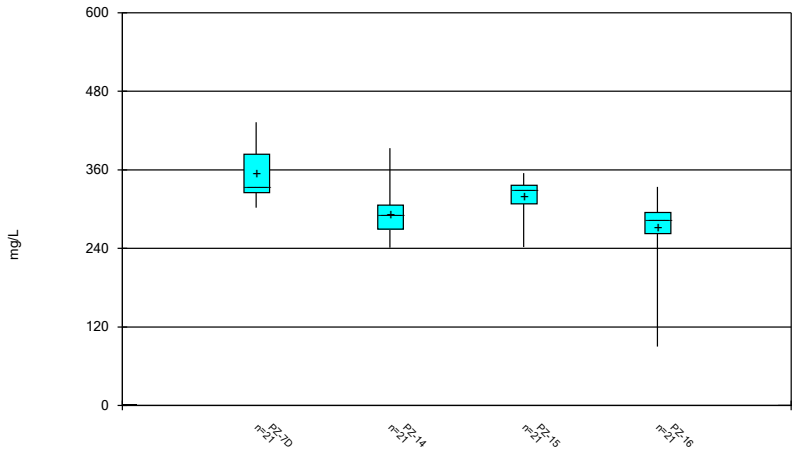
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

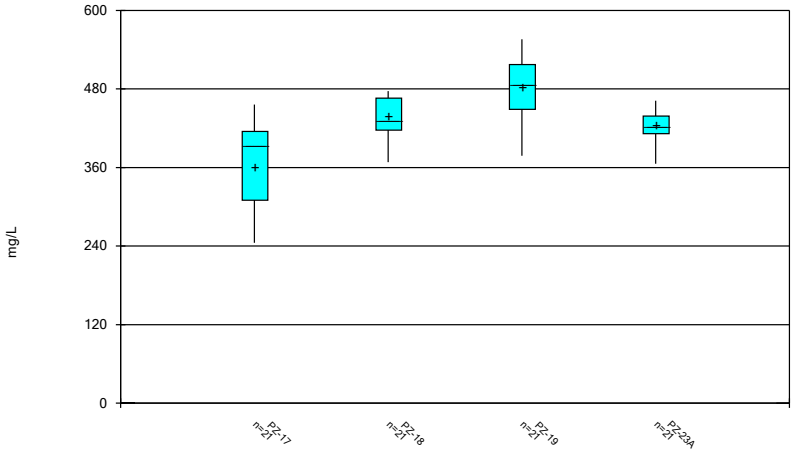
Box & Whiskers Plot



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Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

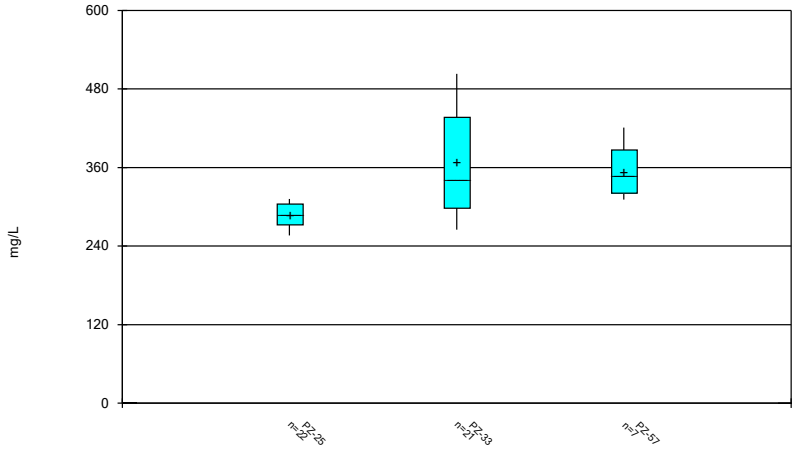
Box & Whiskers Plot



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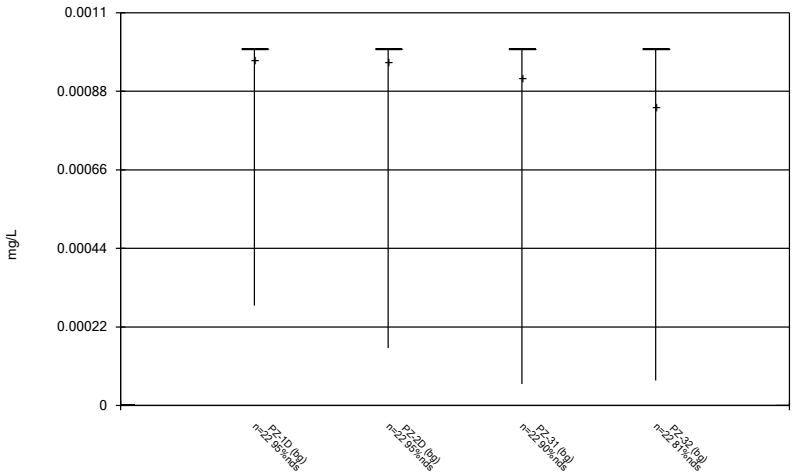
Box & Whiskers Plot



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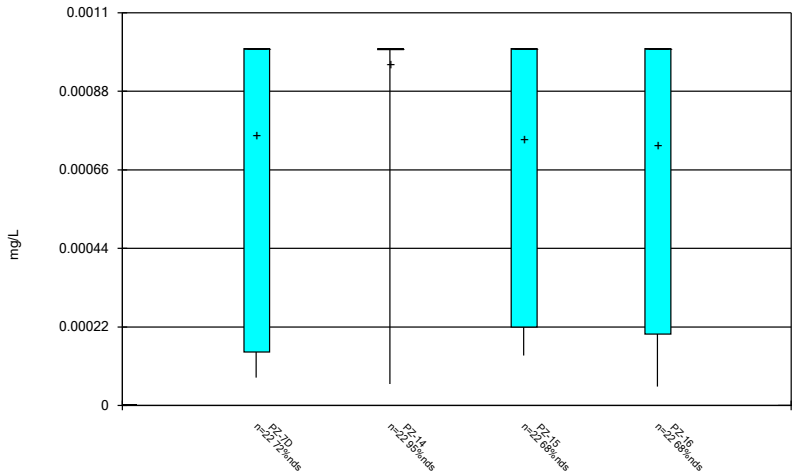
Box & Whiskers Plot



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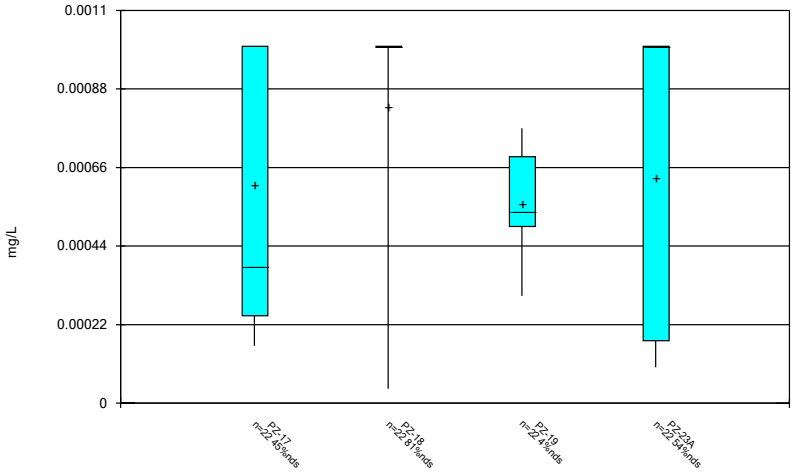
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/19/2025 3:28 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

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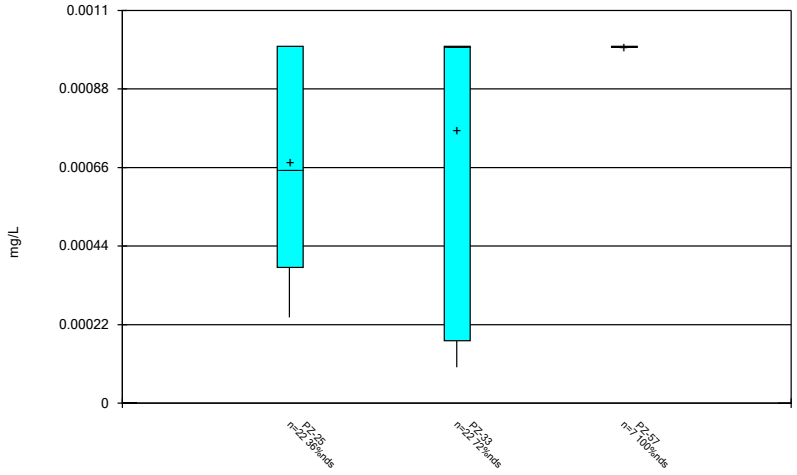
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/19/2025 3:28 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/19/2025 3:28 PM
Plant Mitchell Client: Southern Company Data: Mitchell AP

FIGURE C.

Outlier Summary

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:04 PM

No values were flagged as outliers.

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 4/28/2025, 3:26 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Fluoride (mg/L)	**PZ-1D,PZ-2D,PZ-31...**	**Yes**	**0.29**	**NP**	**NaN**	**92**	**0.08886**	**0.0365**	**sqrt(x)**	**ShapiroFrancia**

Tukey's Outlier Test - Upgradient Wells - All Results

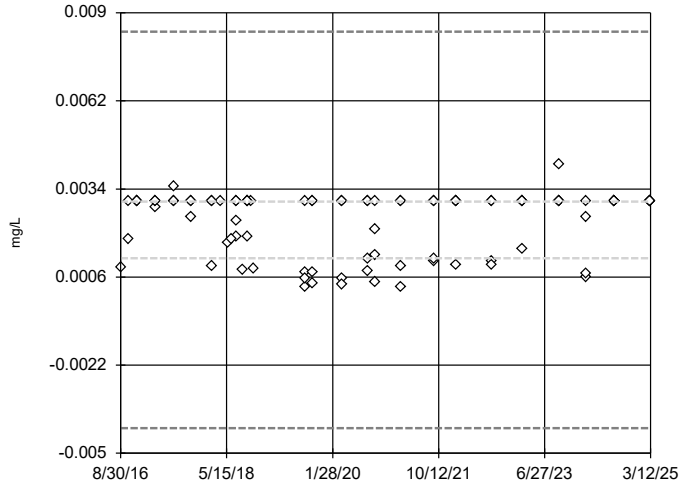
Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 4/28/2025, 3:26 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	88	0.002301	0.001012	normal	ShapiroFrancia
Arsenic (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	80	0.004528	0.001271	unknown	ShapiroFrancia
Barium (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	88	0.01437	0.01351	ln(x)	ShapiroFrancia
Beryllium (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	72	0.0004878	0.00007273	unknown	ShapiroFrancia
Boron (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	84	0.01458	0.005503	ln(x)	ShapiroFrancia
Cadmium (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	72	0.0004953	0.00004007	unknown	ShapiroFrancia
Calcium (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	84	56.92	26.61	normal	ShapiroFrancia
Chloride (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	84	2.986	0.6254	ln(x)	ShapiroFrancia
Chromium (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	88	0.004178	0.002571	sqrt(x)	ShapiroFrancia
Cobalt (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	88	0.004871	0.0006987	unknown	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	88	0.5776	0.4053	sqrt(x)	ShapiroFrancia
Fluoride (mg/L)	**PZ-1D,PZ-2D,PZ-31...**	**Yes**	**0.29**	**NP**	**NaN**	**92**	**0.08886**	**0.0365**	**sqrt(x)**	**ShapiroFrancia**
Lead (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	88	0.0008499	0.0003363	unknown	ShapiroFrancia
Lithium (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	88	0.02419	0.01152	unknown	ShapiroFrancia
Mercury (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	80	0.0001921	0.00002943	unknown	ShapiroFrancia
Molybdenum (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	88	0.008072	0.003699	unknown	ShapiroFrancia
pH, Field (SU)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	97	7.688	0.7098	ln(x)	ShapiroFrancia
Selenium (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	88	0.005	0	normal	ShapiroFrancia
Sulfate (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	84	2.572	1.426	x^(1/3)	ShapiroFrancia
TDS (mg/L)	PZ-1D,PZ-2D,PZ-31...	No	n/a	NP	NaN	86	174.8	67.55	sqrt(x)	ShapiroFrancia
Thallium (mg/L)	PZ-1D,PZ-2D,PZ-31...	n/a	n/a	NP	NaN	88	0.0009204	0.0002544	unknown	ShapiroFrancia

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

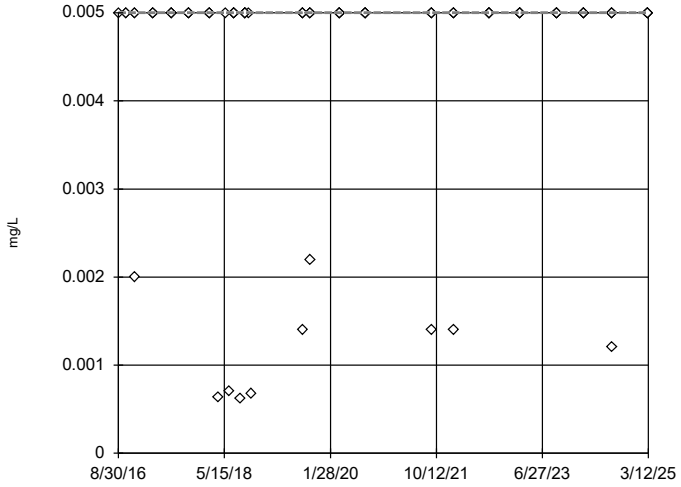
High cutoff = 0.0084, low cutoff = -0.0042, based on IQR multiplier of 3.

Constituent: Antimony Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 80

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

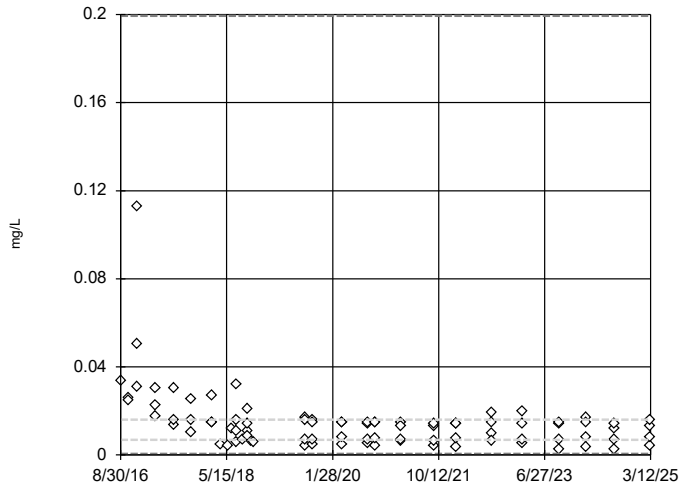
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

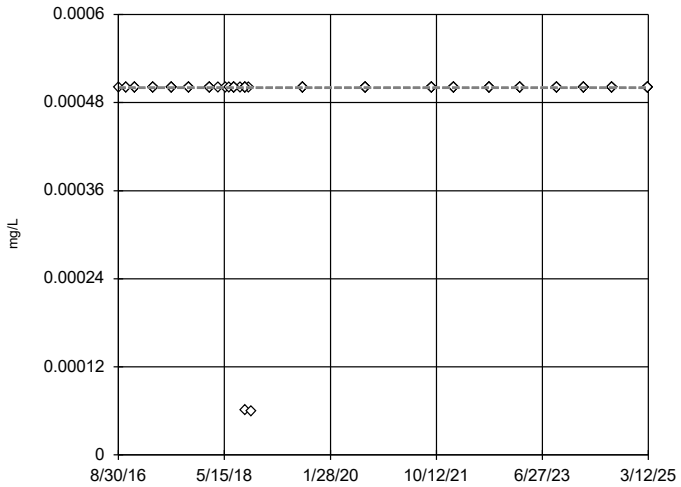
High cutoff = 0.1995, low cutoff = 0.0005534, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 72

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

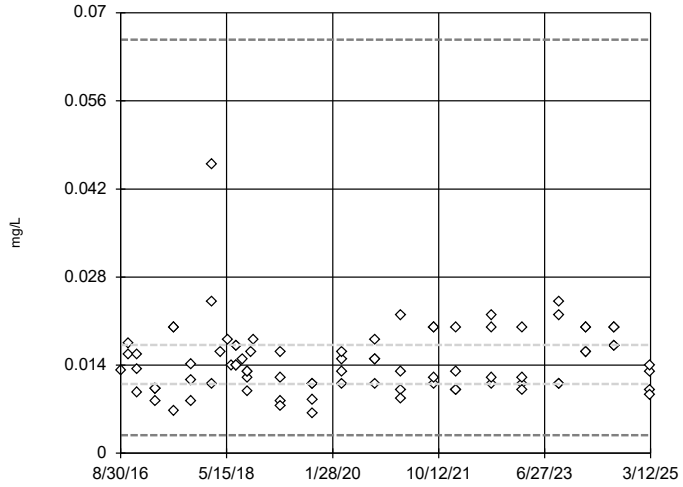
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



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 = 0.06574, low cutoff = 0.002878, based on IQR multiplier of 3.

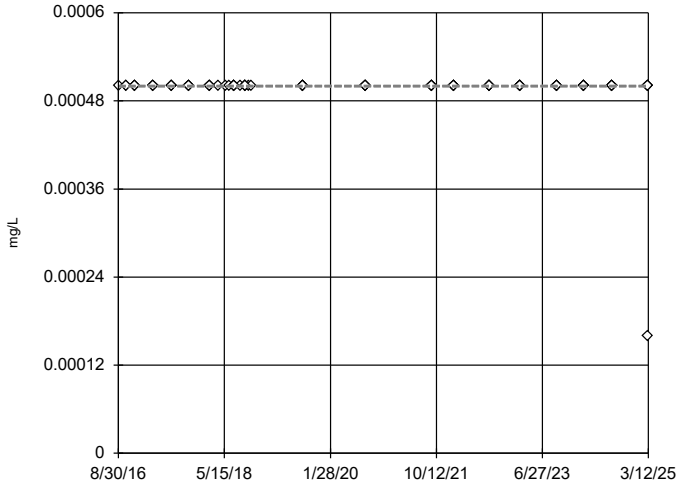
Constituent: Boron Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 72

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.

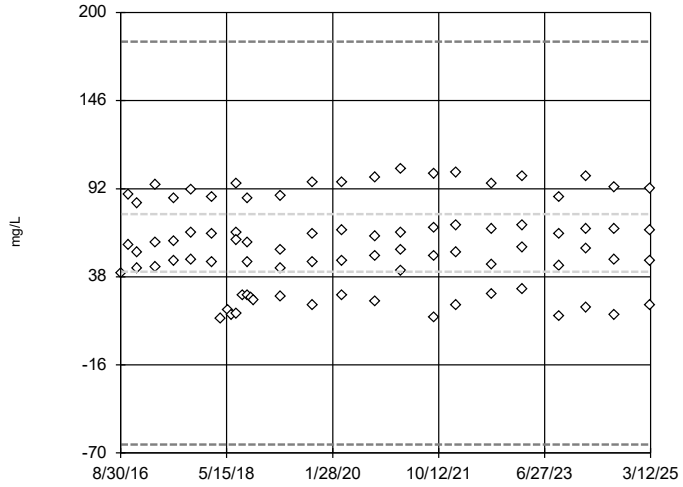
Constituent: Cadmium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



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 = 182.3, low cutoff = -64.85, based on IQR multiplier of 3.

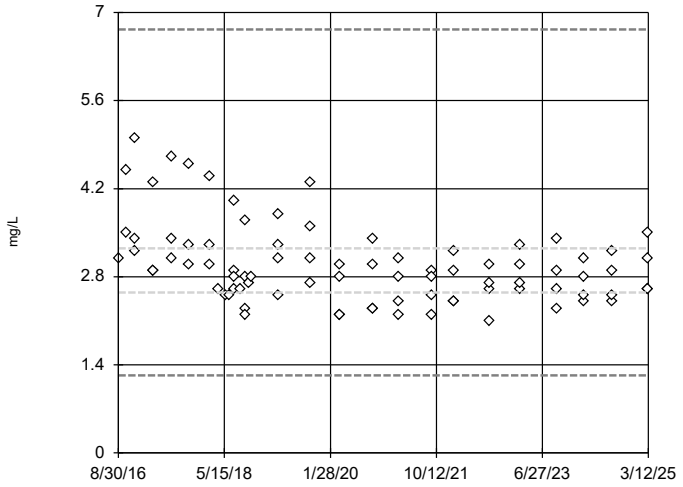
Constituent: Calcium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



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 = 6.729, low cutoff = 1.231, based on IQR multiplier of 3.

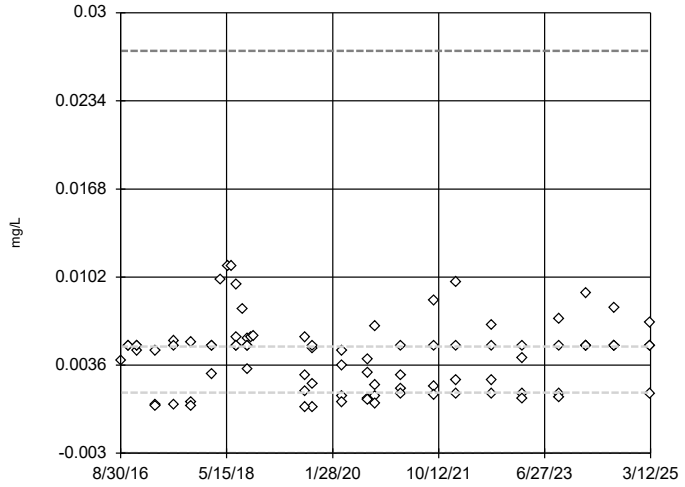
Constituent: Chloride Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

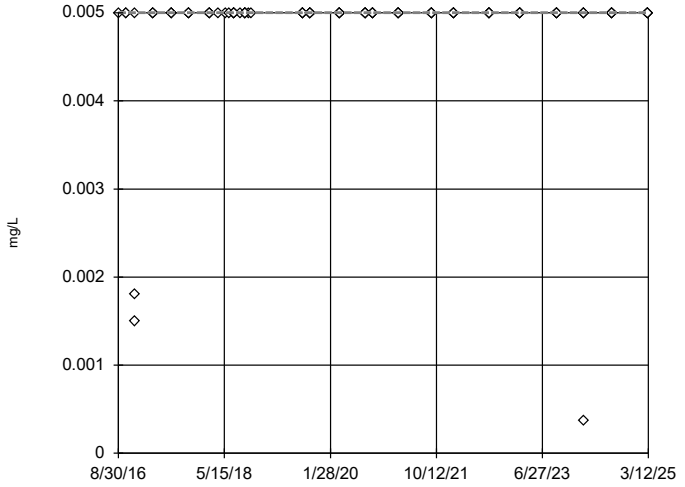
High cutoff = 0.02714, low cutoff = -0.002989, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

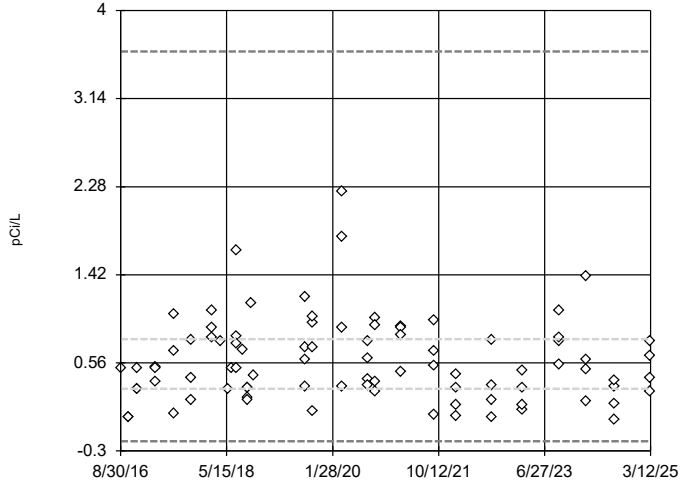
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

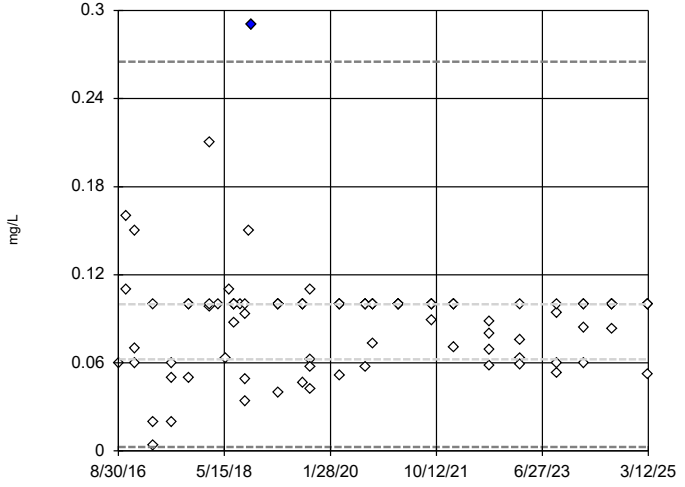
High cutoff = 3.6, low cutoff = -0.2048, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgra
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 92

Outlier is drawn as solid. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

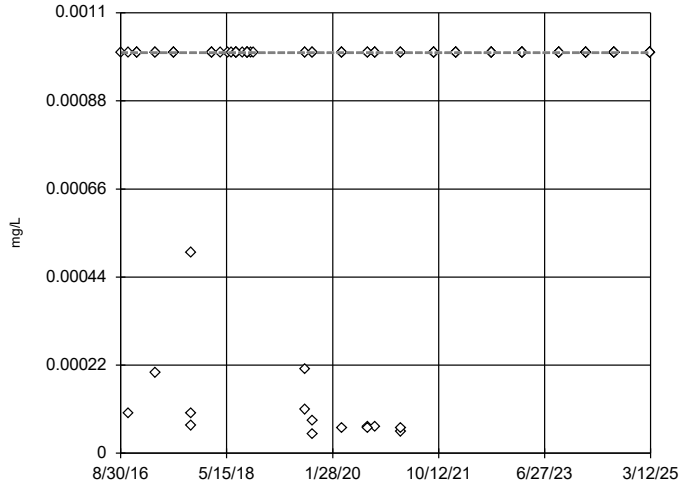
High cutoff = 0.2651, low cutoff = 0.002633, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

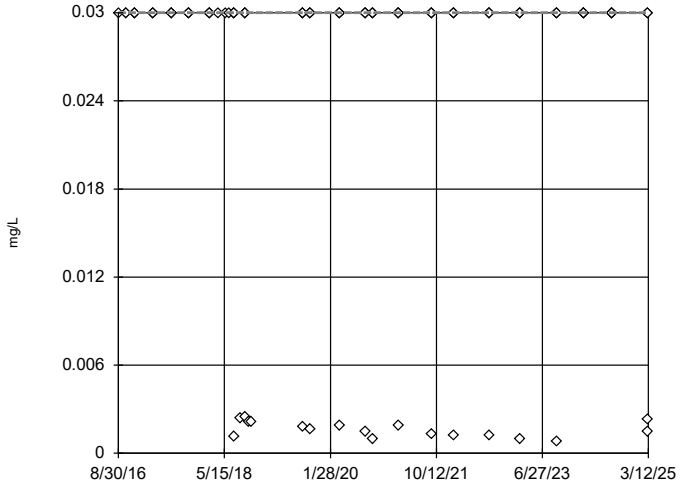
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

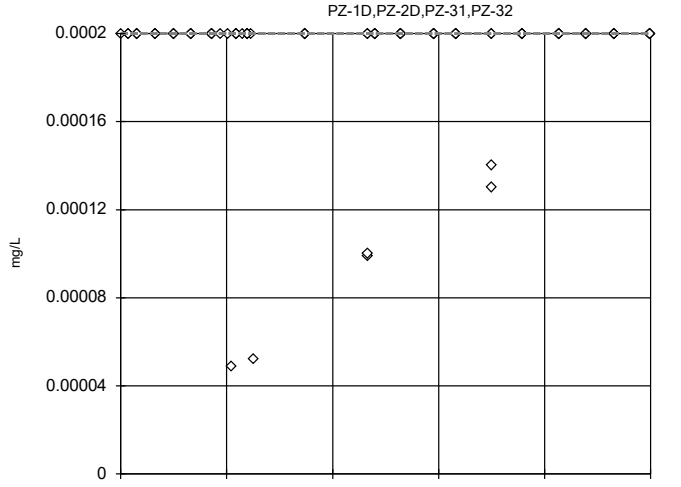
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 80

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

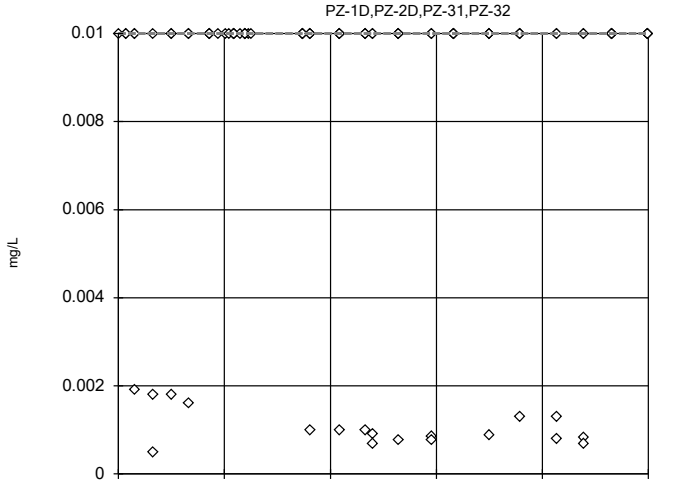
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

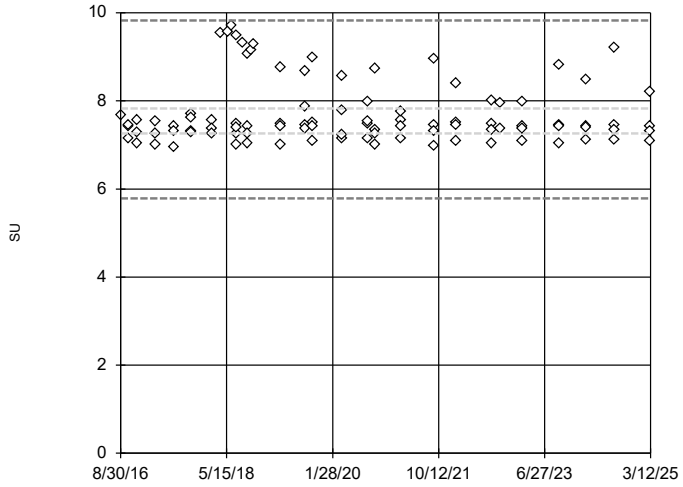
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 97

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

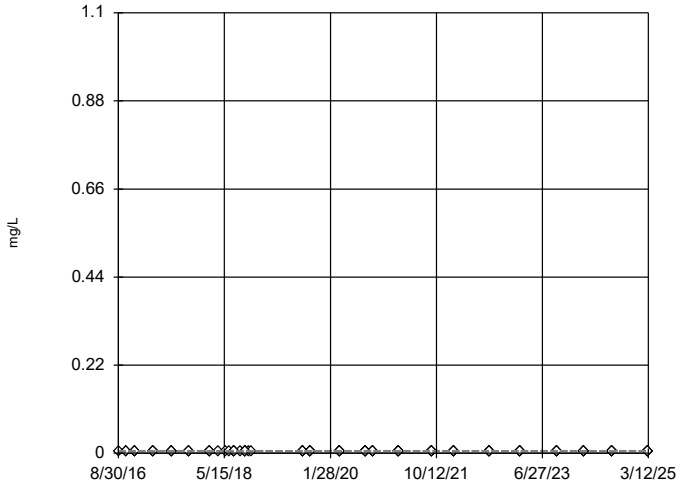
High cutoff = 9.822, low cutoff = 5.787, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

No outliers found. Tukey's method selected by user.

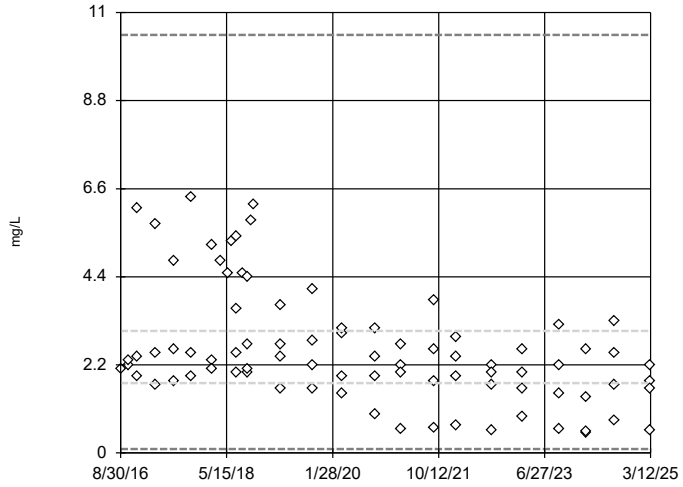
All values are the same.

Constituent: Selenium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 84

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

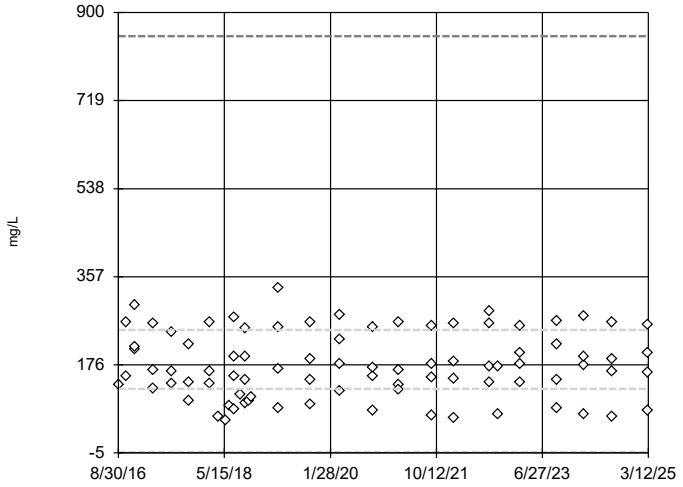
High cutoff = 10.44, low cutoff = 0.1034, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



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).

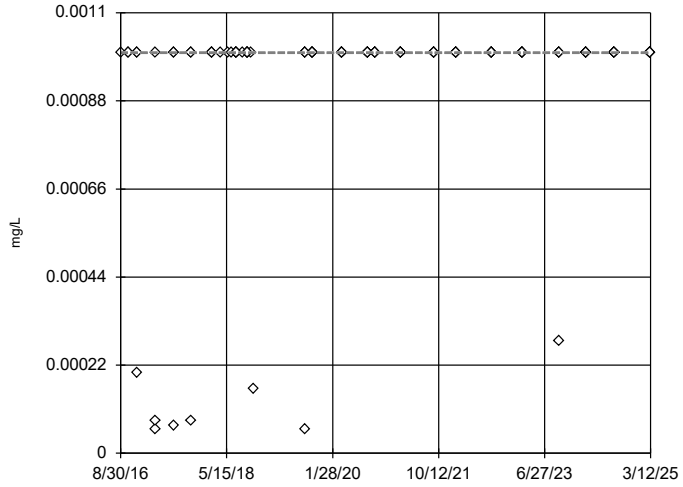
High cutoff = 851.6, low cutoff = -4.688, based on IQR multiplier of 3.

Constituent: TDS Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Tukey's Outlier Screening, Pooled Background

PZ-1D,PZ-2D,PZ-31,PZ-32



n = 88

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: Thallium Analysis Run 4/28/2025 3:25 PM View: Outlier Analysis - Upgradient

Plant Mitchell Client: Southern Company Data: Mitchell AP

FIGURE D.

Appendix III Trend Tests - Upgradient Wells - Significant Results

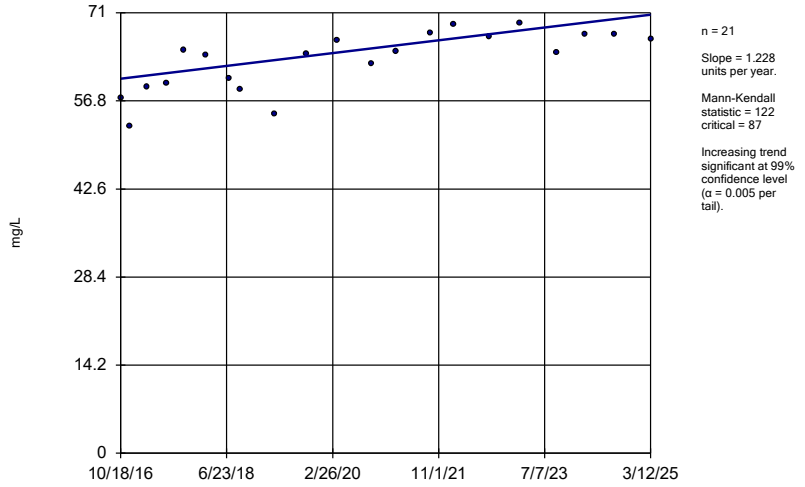
Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

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Sen's Slope Estimator

PZ-32 (bg)



n = 21

Slope = 1.228 units per year.

Mann-Kendall statistic = 122 critical = 87

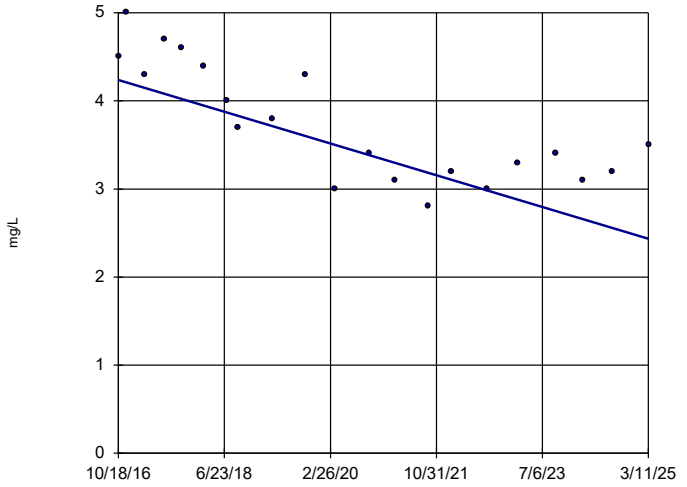
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/8/2025 12:08 PM View: Appendix III Upgradient Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = -0.2141 units per year.

Mann-Kendall statistic = -115 critical = -87

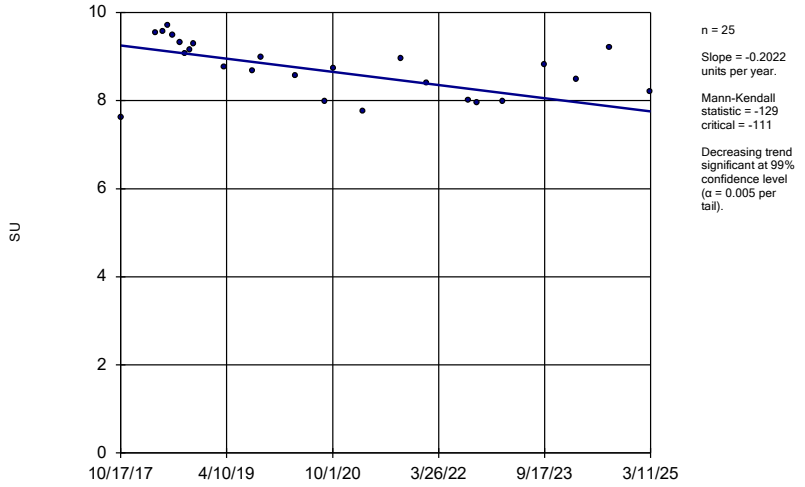
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/8/2025 12:08 PM View: Appendix III Upgradient Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 25

Slope = -0.2022 units per year.

Mann-Kendall statistic = -129 critical = -111

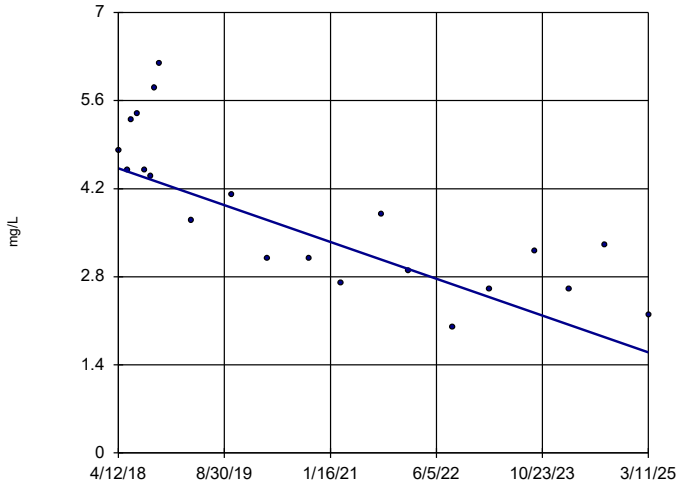
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:08 PM View: Appendix III Upgradient Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 21

Slope = -0.4229 units per year.

Mann-Kendall statistic = -125 critical = -87

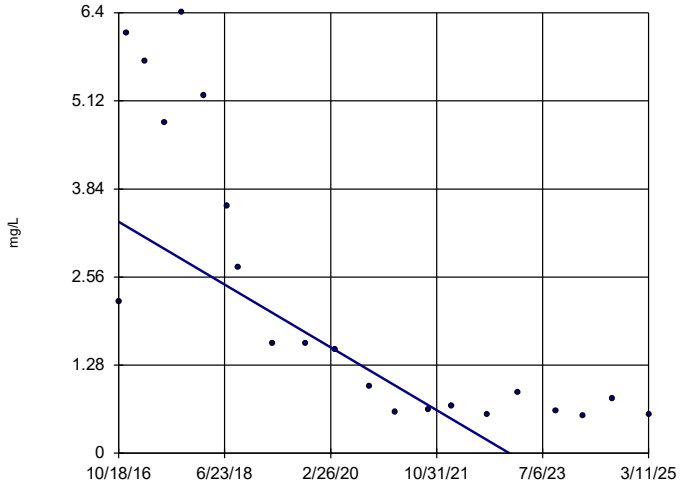
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:08 PM View: Appendix III Upgradient Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = -0.5429 units per year.

Mann-Kendall statistic = -154 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:08 PM View: Appendix III Upgradient Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

Appendix IV Trend Tests - Upgradient Wells - Significant Results

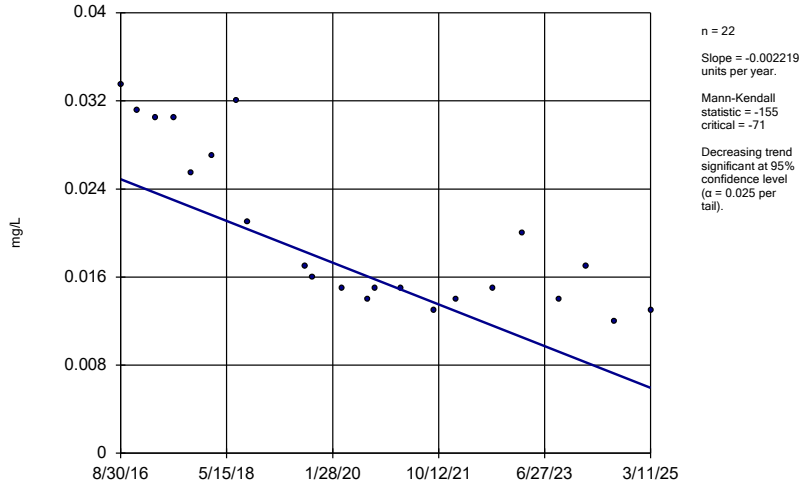
Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**PZ-1D (bg)**	**-0.002219**	**-155**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-2D (bg)**	**-0.0003957**	**-93**	**-71**	**Yes**	**22**	**4.545**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-31 (bg)**	**-0.0009549**	**-116**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**PZ-32 (bg)**	**-0.0003456**	**-93**	**-71**	**Yes**	**22**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**PZ-1D (bg)**	**-0.0003335**	**-121**	**-71**	**Yes**	**22**	**13.64**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator

PZ-1D (bg)



n = 22

Slope = -0.002219 units per year.

Mann-Kendall statistic = -155 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 12:10 PM View: Appendix IV Upgradient Trend Tests

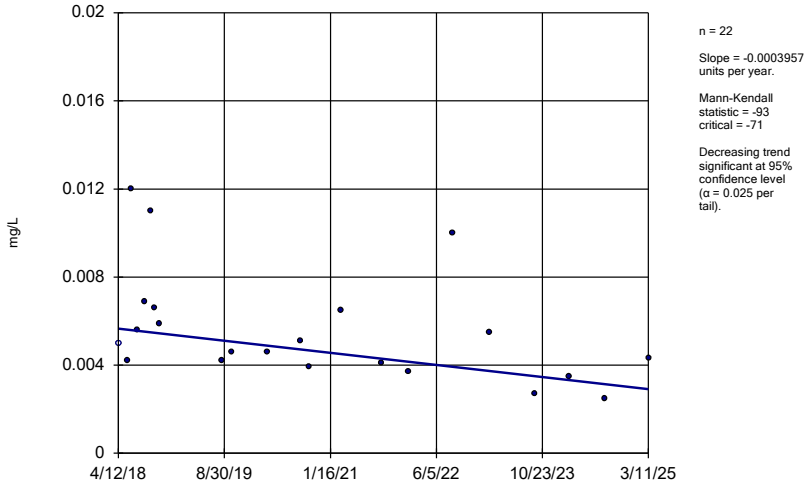
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-2D (bg)



n = 22

Slope = -0.0003957 units per year.

Mann-Kendall statistic = -93 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

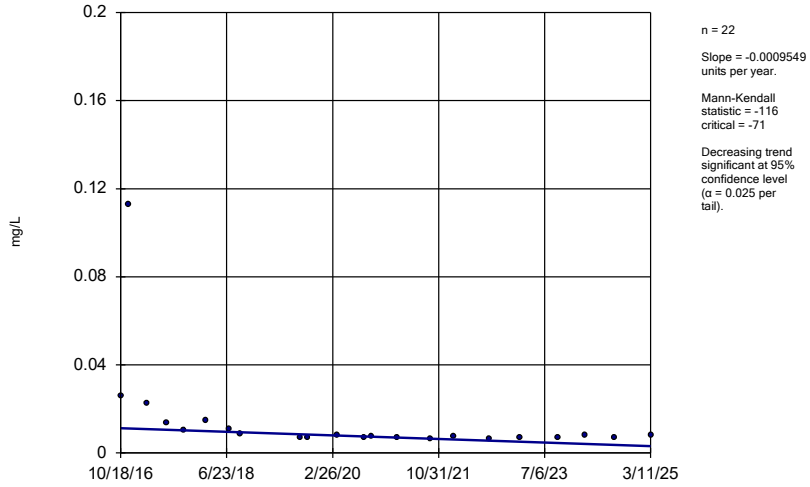
Constituent: Barium Analysis Run 5/8/2025 12:10 PM View: Appendix IV Upgradient Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 22

Slope = -0.0009549 units per year.

Mann-Kendall statistic = -116 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

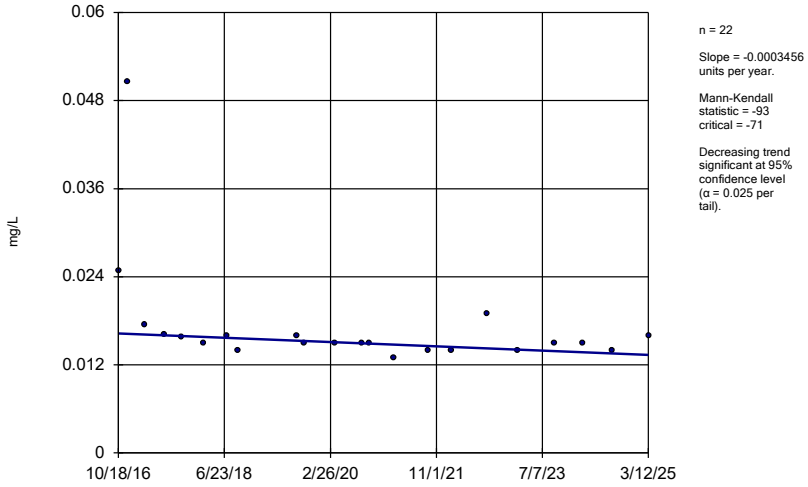
Constituent: Barium Analysis Run 5/8/2025 12:10 PM View: Appendix IV Upgradient Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 22

Slope = -0.0003456 units per year.

Mann-Kendall statistic = -93 critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

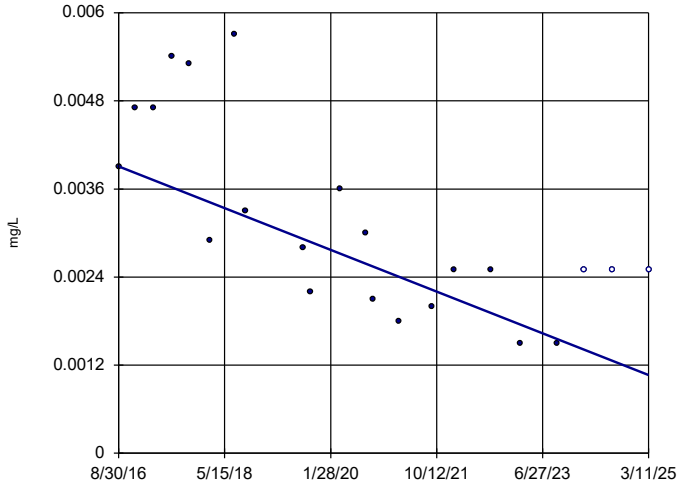
Constituent: Barium Analysis Run 5/8/2025 12:10 PM View: Appendix IV Upgradient Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-1D (bg)



n = 22

Slope = -0.0003335 units per year.

Mann-Kendall statistic = -121
critical = -71

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/8/2025 12:10 PM View: Appendix IV Upgradient Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

FIGURE E.

Appendix III Interwell Prediction Limits - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 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)	PZ-7D	0.02674	n/a	3/13/2025	0.18	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-15	0.02674	n/a	3/13/2025	0.2	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-16	0.02674	n/a	3/12/2025	0.2	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-17	0.02674	n/a	3/12/2025	0.079	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-18	0.02674	n/a	3/12/2025	0.41	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-19	0.02674	n/a	3/12/2025	0.66	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-23A	0.02674	n/a	3/13/2025	0.14	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-25	0.02674	n/a	3/12/2025	0.19	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	PZ-33	0.02674	n/a	3/13/2025	0.34	Yes	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-18	109.6	n/a	3/12/2025	142	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-19	109.6	n/a	3/12/2025	137	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-23A	109.6	n/a	3/13/2025	137	Yes	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-15	5	n/a	3/13/2025	5.6	Yes	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-16	5	n/a	3/12/2025	6.1	Yes	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-19	9.71	6.96	3/12/2025	6.74	Yes	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-23A	9.71	6.96	3/13/2025	6.79	Yes	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-7D	6.1	n/a	3/13/2025	34.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-14	6.1	n/a	3/12/2025	13.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-15	6.1	n/a	3/13/2025	72.6	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-16	6.1	n/a	3/12/2025	37.8	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-17	6.1	n/a	3/12/2025	31.5	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-18	6.1	n/a	3/12/2025	89.9	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-19	6.1	n/a	3/12/2025	79.8	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-23A	6.1	n/a	3/13/2025	33.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-25	6.1	n/a	3/12/2025	35.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
Sulfate (mg/L)	PZ-33	6.1	n/a	3/13/2025	31.3	Yes	84	1.324	0.2544	1.19	None	x^(1/3)	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-7D	308.4	n/a	3/13/2025	316	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-15	308.4	n/a	3/13/2025	329	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-16	308.4	n/a	3/12/2025	328	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-18	308.4	n/a	3/12/2025	475	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-19	308.4	n/a	3/12/2025	538	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-23A	308.4	n/a	3/13/2025	435	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-33	308.4	n/a	3/13/2025	323	Yes	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 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)	**PZ-7D**	**0.02674**	**n/a**	**3/13/2025**	**0.18**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	PZ-14	0.02674	n/a	3/12/2025	0.029J	No	84	-4.286	0.3356	13.1	None	ln(x)	0.0007523	Param Inter 1 of 2
Boron (mg/L)	**PZ-15**	**0.02674**	**n/a**	**3/13/2025**	**0.2**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-16**	**0.02674**	**n/a**	**3/12/2025**	**0.2**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-17**	**0.02674**	**n/a**	**3/12/2025**	**0.079**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-18**	**0.02674**	**n/a**	**3/12/2025**	**0.41**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-19**	**0.02674**	**n/a**	**3/12/2025**	**0.66**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-23A**	**0.02674**	**n/a**	**3/13/2025**	**0.14**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-25**	**0.02674**	**n/a**	**3/12/2025**	**0.19**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Boron (mg/L)	**PZ-33**	**0.02674**	**n/a**	**3/13/2025**	**0.34**	**Yes**	**84**	**-4.286**	**0.3356**	**13.1**	**None**	**ln(x)**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-7D	109.6	n/a	3/13/2025	95.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-14	109.6	n/a	3/12/2025	100	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-15	109.6	n/a	3/13/2025	92.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-16	109.6	n/a	3/12/2025	93.4	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-17	109.6	n/a	3/12/2025	74.6	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	**PZ-18**	**109.6**	**n/a**	**3/12/2025**	**142**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-19**	**109.6**	**n/a**	**3/12/2025**	**137**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	**PZ-23A**	**109.6**	**n/a**	**3/13/2025**	**137**	**Yes**	**84**	**56.92**	**26.61**	**1.19**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
Calcium (mg/L)	PZ-25	109.6	n/a	3/12/2025	90.7	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Calcium (mg/L)	PZ-33	109.6	n/a	3/13/2025	97.8	No	84	56.92	26.61	1.19	None	No	0.0007523	Param Inter 1 of 2
Chloride (mg/L)	PZ-7D	5	n/a	3/13/2025	3.1	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-14	5	n/a	3/12/2025	4.6	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	**PZ-15**	**5**	**n/a**	**3/13/2025**	**5.6**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-16**	**5**	**n/a**	**3/12/2025**	**6.1**	**Yes**	**84**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0002728**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	PZ-17	5	n/a	3/12/2025	1.8	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-18	5	n/a	3/12/2025	4.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-19	5	n/a	3/12/2025	4.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-23A	5	n/a	3/13/2025	3.3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-25	5	n/a	3/12/2025	1.8	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-33	5	n/a	3/13/2025	3	No	84	n/a	n/a	0	n/a	n/a	0.0002728	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-7D	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-14	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-15	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-16	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-17	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-18	0.29	n/a	3/12/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-19	0.29	n/a	3/12/2025	0.055J	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-23A	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-25	0.29	n/a	3/12/2025	0.13	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-33	0.29	n/a	3/13/2025	0.1ND	No	92	n/a	n/a	48.91	n/a	n/a	0.0002276	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-7D	9.71	6.96	3/13/2025	7.12	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-14	9.71	6.96	3/12/2025	7.11	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-15	9.71	6.96	3/13/2025	7.16	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-16	9.71	6.96	3/12/2025	7.18	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-17	9.71	6.96	3/12/2025	7.38	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-18	9.71	6.96	3/12/2025	6.96	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	**PZ-19**	**9.71**	**6.96**	**3/12/2025**	**6.74**	**Yes**	**97**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004113**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**PZ-23A**	**9.71**	**6.96**	**3/13/2025**	**6.79**	**Yes**	**97**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004113**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	PZ-25	9.71	6.96	3/12/2025	7.12	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
pH, Field (SU)	PZ-33	9.71	6.96	3/13/2025	7.07	No	97	n/a	n/a	0	n/a	n/a	0.0004113	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**PZ-7D**	**6.1**	**n/a**	**3/13/2025**	**34.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-14**	**6.1**	**n/a**	**3/12/2025**	**13.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-15**	**6.1**	**n/a**	**3/13/2025**	**72.6**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-16**	**6.1**	**n/a**	**3/12/2025**	**37.8**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-17**	**6.1**	**n/a**	**3/12/2025**	**31.5**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:37 PM

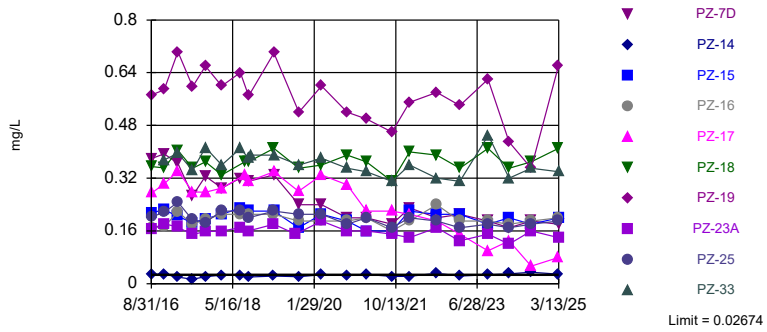
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	**PZ-18**	**6.1**	**n/a**	**3/12/2025**	**89.9**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-19**	**6.1**	**n/a**	**3/12/2025**	**79.8**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-23A**	**6.1**	**n/a**	**3/13/2025**	**33.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-25**	**6.1**	**n/a**	**3/12/2025**	**35.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
Sulfate (mg/L)	**PZ-33**	**6.1**	**n/a**	**3/13/2025**	**31.3**	**Yes**	**84**	**1.324**	**0.2544**	**1.19**	**None**	**x^(1/3)**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-7D**	**308.4**	**n/a**	**3/13/2025**	**316**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-14	308.4	n/a	3/12/2025	304	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-15**	**308.4**	**n/a**	**3/13/2025**	**329**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-16**	**308.4**	**n/a**	**3/12/2025**	**328**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-17	308.4	n/a	3/12/2025	252	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-18**	**308.4**	**n/a**	**3/12/2025**	**475**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-19**	**308.4**	**n/a**	**3/12/2025**	**538**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-23A**	**308.4**	**n/a**	**3/13/2025**	**435**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	PZ-25	308.4	n/a	3/12/2025	298	No	86	174.8	67.55	0	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**PZ-33**	**308.4**	**n/a**	**3/13/2025**	**323**	**Yes**	**86**	**174.8**	**67.55**	**0**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

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Exceeds Limit: PZ-7D, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.286, Std. Dev.=0.3356, n=84, 13.1% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9673, critical = 0.96. Kappa = 1.98 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

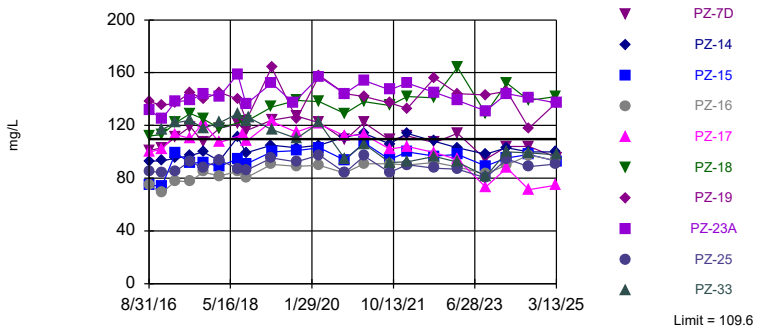
Constituent: Boron Analysis Run 6/19/2025 3:30 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Exceeds Limit: PZ-18, PZ-19, PZ-23A

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=56.92, Std. Dev.=26.61, n=84, 1.19% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9638, critical = 0.96. Kappa = 1.98 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

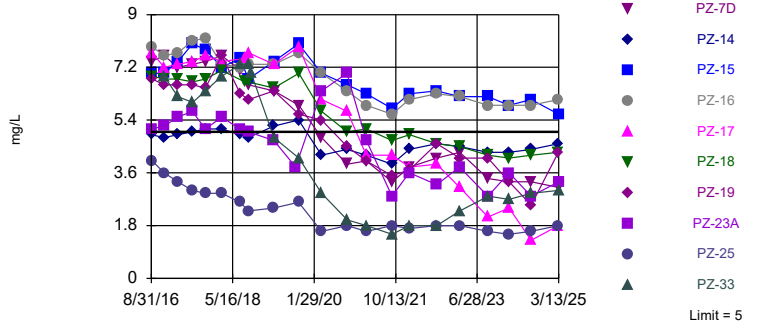
Constituent: Calcium Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Exceeds Limit: PZ-15, PZ-16

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.

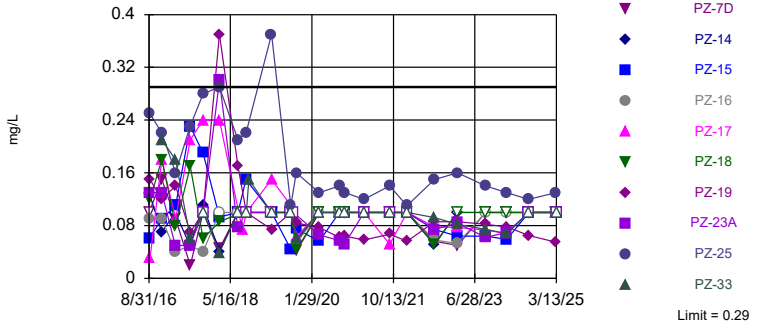
Constituent: Chloride Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 92 background values. 48.91% NDs. Annual per-constituent alpha = 0.004542. Individual comparison alpha = 0.0002276 (1 of 2). Comparing 10 points to limit.

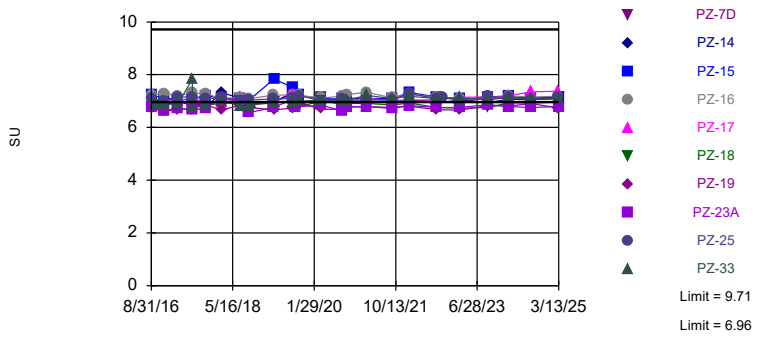
Constituent: Fluoride Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Exceeds Limits: PZ-19, PZ-23A

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 97 background values. Annual per-constituent alpha = 0.008209. Individual comparison alpha = 0.0004113 (1 of 2). Comparing 10 points to limit.

Constituent: pH, Field Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell

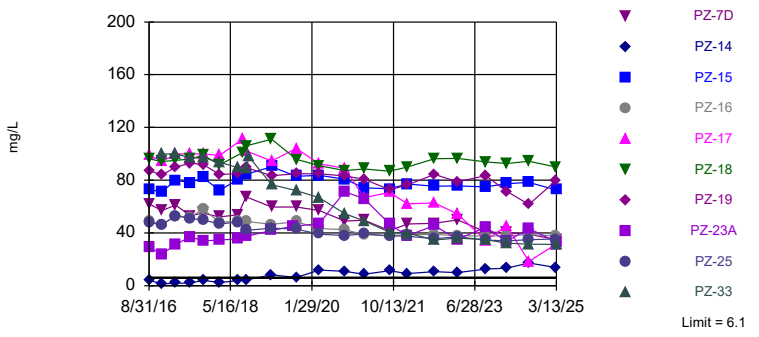
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Exceeds Limit: PZ-7D, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-23A, PZ-25, PZ-33

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=1.324, Std. Dev.=0.2544, n=84, 1.19% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9624, critical = 0.96. Kappa = 1.98 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell

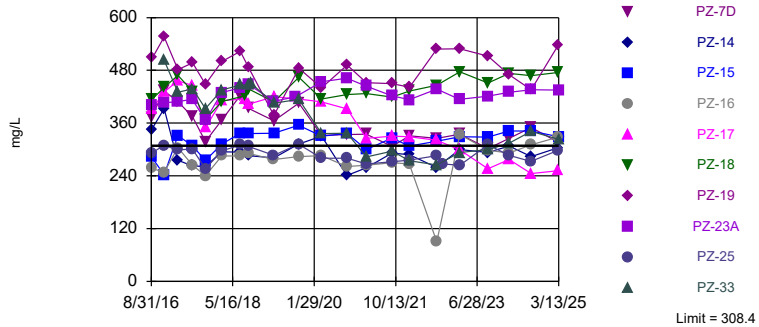
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Exceeds Limit: PZ-7D, PZ-15, PZ-16, PZ-18, PZ-19, PZ-23A, PZ-33

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=174.8, Std. Dev.=67.55, n=86. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.967, critical = 0.961. Kappa = 1.978 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: TDS Analysis Run 6/19/2025 3:31 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	0.0132 (J)								
8/31/2016		0.0285 (J)	0.166						
9/1/2016				0.379	0.215				
9/6/2016						0.17			
9/7/2016							0.276	0.355	0.573
9/8/2016									
10/18/2016									
12/6/2016	0.0096 (J)								
12/7/2016		0.0292 (J)	0.182	0.394	0.224	0.173			
12/8/2016							0.303	0.351	0.588
3/21/2017	0.0082 (J)	0.0198 (J)	0.172						
3/22/2017				0.365	0.205	0.218	0.342	0.405	
3/23/2017									0.703
7/11/2017	0.0067 (J)	0.0137 (J)	0.149			0.18			
7/12/2017				0.267	0.184		0.278	0.35	0.598
10/17/2017	0.0083 (J)								
10/18/2017		0.0212 (J)	0.158		0.197	0.195	0.277	0.37	
10/19/2017				0.326					0.66
2/20/2018	0.024 (J)	0.026 (J)	0.16						
2/21/2018				0.29	0.21	0.21	0.29	0.33	0.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	0.017 (J)	0.026 (J)	0.17						
7/12/2018				0.32	0.23	0.21			0.64
8/15/2018								0.37	
8/16/2018							0.33		
8/17/2018									
9/12/2018	0.012 (J)	0.02 (J)							
9/13/2018			0.16	0.31	0.22	0.21		0.37	
9/14/2018							0.31		0.57
10/4/2018									
10/24/2018									
3/26/2019	0.0082 (J)								
3/27/2019		0.023 (J)	0.18			0.21		0.41	
3/28/2019				0.33	0.22		0.34		0.7
9/10/2019			0.15						
10/1/2019	0.0064 (J)								
10/2/2019		0.021 (J)			0.17	0.19	0.28		
10/3/2019				0.24				0.35	0.52
3/24/2020	0.013 (J)								
3/25/2020		0.027 (J)	0.19				0.33		
3/26/2020				0.24	0.21	0.19		0.36	0.6
10/6/2020	0.015 (J)	0.026 (J)	0.16			0.19			
10/7/2020				0.2	0.19		0.3	0.39	0.52
3/3/2021	0.01 (J)	0.028 (J)	0.16						0.5
3/4/2021				0.2	0.16	0.2	0.22	0.37	
3/8/2021									
9/14/2021	<0.04								
9/15/2021		0.022 (J)	0.15		0.16	0.16			
9/16/2021				0.18			0.22	0.31	0.46
1/25/2022	0.01 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		0.022 (J)	0.14		0.22	0.19			
1/27/2022				0.23			0.21	0.4	0.55
8/24/2022	0.011 (J)								
8/25/2022		0.032 (J)	0.17 (J)	0.2	0.21	0.24	0.19 (J)	0.39	0.58
2/14/2023	0.011 (J)	0.023 (J)	0.13						
2/15/2023				0.21	0.21	0.19		0.35	0.54
2/16/2023							0.15		
9/19/2023	0.024 (J)					0.19			
9/20/2023		0.027 (J)	0.15	0.19	0.18		0.1	0.41	0.62
9/21/2023									
2/27/2024									
2/28/2024	0.016 (J)		0.12	0.17	0.2				
2/29/2024		0.03 (J)				0.18	0.13	0.35	0.43
8/13/2024	<0.04								
8/14/2024		0.035 (J)	0.16		0.18	0.19		0.37	0.35
8/15/2024				0.19			0.053		
3/11/2025	0.01 (J)								
3/12/2025		0.029 (J)				0.2	0.079	0.41	0.66
3/13/2025			0.14	0.18	0.2				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.204				
10/18/2016		0.0174 (J)	0.0156 (J)		
12/6/2016		0.0133 (J)			
12/7/2016			0.0157 (J)		
12/8/2016	0.216			0.375	
3/21/2017		0.0103 (J)			
3/22/2017	0.247				
3/23/2017			0.0103 (J)	0.396	
7/11/2017	0.194	<0.04	<0.04		
7/12/2017				0.343	
10/17/2017		0.0116 (J)	0.0142 (J)		
10/18/2017	0.186				
10/19/2017				0.413	
2/20/2018		0.046 (J)	0.011 (J)		
2/21/2018	0.22			0.36	
4/12/2018					0.016 (J)
5/23/2018					0.018 (J)
6/13/2018					0.014 (J)
7/11/2018		0.014 (J)	0.014 (J)		0.017 (J)
7/12/2018	0.22			0.41	
8/15/2018					
8/16/2018					
8/17/2018					0.015 (J)
9/12/2018		0.0098 (J)			0.013 (J)
9/13/2018	0.2		0.013 (J)		
9/14/2018				0.38	
10/4/2018				0.39	0.016 (J)
10/24/2018					0.018 (J)
3/26/2019		0.0076 (J)			
3/27/2019	0.22		0.012 (J)		0.016 (J)
3/28/2019				0.39	
9/10/2019					
10/1/2019			0.011 (J)		
10/2/2019	0.21	0.0084 (J)			0.011 (J)
10/3/2019				0.36	
3/24/2020					0.015 (J)
3/25/2020	0.21	0.011 (J)	0.016 (J)		
3/26/2020				0.38	
10/6/2020		0.011 (J)	0.015 (J)		0.018 (J)
10/7/2020	0.18			0.35	
3/3/2021	0.2	0.0087 (J)	0.022 (J)		
3/4/2021				0.34	
3/8/2021					0.013 (J)
9/14/2021			0.012 (J)		0.011 (J)
9/15/2021	0.17	<0.04			
9/16/2021				0.31	
1/25/2022					0.013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	0.2	<0.04	0.01 (J)		
1/27/2022				0.36	
8/24/2022	0.19	<0.04	0.022 (J)	0.32	0.012 (J)
8/25/2022					
2/14/2023		<0.04	0.012 (J)		0.01 (J)
2/15/2023	0.17				
2/16/2023				0.31	
9/19/2023	0.18	0.022 (J)	0.011 (J)		0.011 (J)
9/20/2023					
9/21/2023				0.45	
2/27/2024	0.17		<0.04		<0.04
2/28/2024		0.016 (J)			
2/29/2024				0.32	
8/13/2024	0.18	<0.04	0.017 (J)		0.017 (J)
8/14/2024					
8/15/2024				0.35	
3/11/2025		0.0093 (J)			0.013 (J)
3/12/2025	0.19		0.014 (J)		
3/13/2025				0.34	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	40.4								
8/31/2016		92.9	132						
9/1/2016				101	74.8				
9/6/2016						74.6			
9/7/2016							100	112	138
9/8/2016									
10/18/2016									
12/6/2016	43.3								
12/7/2016		93.1	125	103	74	68.9			
12/8/2016							102	113	135
3/21/2017	44.1	95	138						
3/22/2017				111	99.3	77.8	113	122	
3/23/2017									137
7/11/2017	47.4	97.1	139			77.3			
7/12/2017				119	91.4		110	129	145
10/17/2017	48.7								
10/18/2017		100	144		92	84.7	122	125	
10/19/2017				107					140
2/20/2018	46.8	93.1	142						
2/21/2018				118	89	81.8	107	118	145
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	65.3	111	159						
7/12/2018				121	94.5	85.2			140
8/15/2018								123	
8/16/2018							113		
8/17/2018									
9/12/2018	46.6	99.3							
9/13/2018			136	116	90.8	80.2		123	
9/14/2018							108		124
10/4/2018									
10/24/2018									
3/26/2019	43.3								
3/27/2019		105	152			90.5		134	
3/28/2019				124	100		123		164
9/10/2019			137						
10/1/2019	46.8								
10/2/2019		103			101	89.1	115		
10/3/2019				127				139	125
3/24/2020	48								
3/25/2020		105	157				121		
3/26/2020				122	103	89.8		138	158
10/6/2020	50.5	111	144			84			
10/7/2020				109	93.5		112	129	144
3/3/2021	54.7	114	154						142
3/4/2021				122	107	90.9	113	138	
3/8/2021									
9/14/2021	51								
9/15/2021		106	147		94	91			
9/16/2021				109			102	135	137
1/25/2022	53.1								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		114	152		100	90.1			
1/27/2022				112			104	142	133
8/24/2022	45.8								
8/25/2022		108	145	107	96.7	92	99.5	141	156
2/14/2023	56.2	103	139						
2/15/2023				114	98.1	88.5		164	144
2/16/2023							94.1		
9/19/2023	44.7					83.3			
9/20/2023		98.2	131	94.3	89.3		73.3	129	143
9/21/2023									
2/27/2024									
2/28/2024	55		144	104	95.4				
2/29/2024		103				89.9	87.8	152	146
8/13/2024	48.5								
8/14/2024		100	141		98	97.5		139	118
8/15/2024				104			71.2		
3/11/2025	47.9								
3/12/2025		100				93.4	74.6	142	137
3/13/2025			137	95.8	92.8				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	85.2				
10/18/2016		88.3	57.2		
12/6/2016		83.4			
12/7/2016			52.8		
12/8/2016	84.5			117	
3/21/2017		94			
3/22/2017	85.3				
3/23/2017			59.1	122	
7/11/2017	93	86	59.7		
7/12/2017				124	
10/17/2017		91.6	64.9		
10/18/2017	87.6				
10/19/2017				118	
2/20/2018		86.5	64.1		
2/21/2018	93.9			122	
4/12/2018					<25
5/23/2018					17.6 (J)
6/13/2018					14.3
7/11/2018		95.4	60.4		15.6
7/12/2018	87.1			129	
8/15/2018					
8/16/2018					
8/17/2018					27
9/12/2018		86			26.9
9/13/2018	85.8		58.7		
9/14/2018				123	
10/4/2018				126	25
10/24/2018					23.8
3/26/2019		87.3			
3/27/2019	95.2		54.6		26.1
3/28/2019				117	
9/10/2019					
10/1/2019			64.3		
10/2/2019	92.3	95.5			21
10/3/2019				110	
3/24/2020					26.5
3/25/2020	97.5	95.8	66.6		
3/26/2020				122	
10/6/2020		98.8	62.8		22.7
10/7/2020	84.2			94.7	
3/3/2021	96.8	104	64.8		
3/4/2021				106	
3/8/2021					41.7
9/14/2021			67.8		13.4
9/15/2021	84.4	101			
9/16/2021				92	
1/25/2022					20.7

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	90.2	102	69.2		
1/27/2022				92.5	
8/24/2022	87.6	95.2	67.1	96.5	27.3
8/25/2022					
2/14/2023		99.9	69.3		30.2
2/15/2023	86.9				
2/16/2023				92.2	
9/19/2023	80.3	86.9	64.6		13.7
9/20/2023					
9/21/2023				81.4	
2/27/2024	94.6		67.5		19.2
2/28/2024		99.9			
2/29/2024				100	
8/13/2024	88.7	93.2	67.6		14.5
8/14/2024					
8/15/2024				99.2	
3/11/2025		92.3			20.8
3/12/2025	90.7		66.8		
3/13/2025				97.8	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	3.1								
8/31/2016		4.9	5.1						
9/1/2016				7.4	7				
9/6/2016						7.9			
9/7/2016							7.7	6.9	6.8
9/8/2016									
10/18/2016									
12/6/2016	3.4								
12/7/2016		4.8	5.2	7.6	7	7.6			
12/8/2016							7.2	6.8	6.6
3/21/2017	2.9	4.9	5.5						
3/22/2017				7.2	7.4	7.7	7.3	6.8	
3/23/2017									6.6
7/11/2017	3.4	5	5.7			8.1			
7/12/2017				7.3	8		7.4	6.7	6.6
10/17/2017	3.3								
10/18/2017		5.1	5.1		7.8	8.2	7.6	6.8	
10/19/2017				7.4					6.5
2/20/2018	3.3	5.1	5.5						
2/21/2018				7.6	7.2	7.3	7.4	7.1	7.6
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.9	4.9	5.1						
7/12/2018				7.1	7.5	7.2			6.3
8/15/2018								6.7	
8/16/2018							7.5		
8/17/2018									
9/12/2018	2.8	4.8							
9/13/2018			5	6.6	6.8	7.3		6.7	
9/14/2018							7.7		6.1
10/4/2018									
10/24/2018									
3/26/2019	3.3								
3/27/2019		5.2	4.7			7.3		6.5	
3/28/2019				6.4	7.4		7.3		6.4
9/10/2019			3.8						
10/1/2019	3.6								
10/2/2019		5.4			8	7.7	7.9		
10/3/2019				5.9				7	5.6
3/24/2020	2.8								
3/25/2020		4.2	6.4				6.1		
3/26/2020				4.8	7	7		5.7	5.4
10/6/2020	3	4.4	7			6.4			
10/7/2020				3.9	6.6		5.7	5	4.5
3/3/2021	2.8	4.2	4.7						4
3/4/2021				4	6.3	5.9	4.2	5.1	
3/8/2021									
9/14/2021	2.9								
9/15/2021		3.9	2.8		5.8	5.6			
9/16/2021				3.3			4.2	4.7	3.5
1/25/2022	2.9								

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		4.4	3.6		6.3	6.1			
1/27/2022				3.8			3.8	4.9	3.7
8/24/2022	2.6								
8/25/2022		4.6	3.2	4.1	6.4	6.3	3.9	4.6	4.6
2/14/2023	3	4.5	3.8						
2/15/2023				4.3	6.2	6.2		4.5	4.1
2/16/2023							3.1		
9/19/2023	2.9					5.9			
9/20/2023		4.3	2.8	3.4	6.2		2.1	4.2	4.1
9/21/2023									
2/27/2024									
2/28/2024	2.8		3.6	3.3	5.9				
2/29/2024		4.3				5.9	2.4	4.1	3.3
8/13/2024	2.9								
8/14/2024		4.4	2.8		6.1	5.9		4.2	2.5
8/15/2024				3.3			1.3		
3/11/2025	3.1								
3/12/2025		4.6				6.1	1.8	4.3	4.3
3/13/2025			3.3	3.1	5.6				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	4				
10/18/2016		4.5	3.5		
12/6/2016		5			
12/7/2016			3.2		
12/8/2016	3.6			6.9	
3/21/2017		4.3			
3/22/2017	3.3				
3/23/2017			2.9	6.2	
7/11/2017	3	4.7	3.1		
7/12/2017				6	
10/17/2017		4.6	3		
10/18/2017	2.9				
10/19/2017				6.4	
2/20/2018		4.4	3		
2/21/2018	2.9			6.9	
4/12/2018					2.6
5/23/2018					2.5
6/13/2018					2.5
7/11/2018		4	2.8		2.6
7/12/2018	2.6			7.3	
8/15/2018					
8/16/2018					
8/17/2018					2.6
9/12/2018		3.7			2.3
9/13/2018	2.3		2.2		
9/14/2018				7.3	
10/4/2018				7	2.7
10/24/2018					2.8
3/26/2019		3.8			
3/27/2019	2.4		3.1		2.5
3/28/2019				4.8	
9/10/2019					
10/1/2019			3.1		
10/2/2019	2.6	4.3			2.7
10/3/2019				4.1	
3/24/2020					2.2
3/25/2020	1.6	3	2.2		
3/26/2020				2.9	
10/6/2020		3.4	2.3		2.3
10/7/2020	1.8			2	
3/3/2021	1.6	3.1	2.2		
3/4/2021				1.8	
3/8/2021					2.4
9/14/2021			2.2		2.5
9/15/2021	1.8	2.8			
9/16/2021				1.5	
1/25/2022					2.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	1.7	3.2	2.4		
1/27/2022				1.8	
8/24/2022	1.8	3	2.7	1.8	2.1
8/25/2022					
2/14/2023		3.3	2.7		2.6
2/15/2023	1.8				
2/16/2023				2.3	
9/19/2023	1.6	3.4	2.6		2.3
9/20/2023					
9/21/2023				2.8	
2/27/2024	1.5		2.5		2.4
2/28/2024		3.1			
2/29/2024				2.7	
8/13/2024	1.6	3.2	2.5		2.4
8/14/2024					
8/15/2024				2.9	
3/11/2025		3.5			2.6
3/12/2025	1.8		2.6		
3/13/2025				3	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	0.06 (J)								
8/31/2016		0.13 (J)	0.13 (J)						
9/1/2016				<0.1	0.06 (J)				
9/6/2016						0.09 (J)			
9/7/2016							0.03 (J)	0.12 (J)	0.15 (J)
9/8/2016									
10/18/2016									
12/6/2016	0.06 (J)								
12/7/2016		0.07 (J)	0.13 (J)	0.15 (J)	0.09 (J)	0.09 (J)			
12/8/2016							0.18 (J)	0.18 (J)	0.12 (J)
3/21/2017	0.004 (J)	<0.1	0.05 (J)						
3/22/2017				0.09 (J)	0.11 (J)	0.04 (J)	0.09 (J)	0.08 (J)	
3/23/2017									0.14 (J)
7/11/2017	0.05 (J)	0.05 (J)	0.05 (J)			0.05 (J)			
7/12/2017				0.02 (J)	0.23 (J)		0.21 (J)	0.17 (J)	0.07 (J)
10/17/2017	<0.1								
10/18/2017		0.11 (J)	<0.1		0.19 (J)	0.04 (J)	0.24 (J)	0.06 (J)	
10/19/2017				<0.1					<0.1
2/20/2018	0.098 (J)	0.04 (J)	0.3 (J)						
2/21/2018				0.045 (J)	0.093 (J)	<0.1	0.24 (J)	0.086 (J)	0.37
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	<0.1	<0.1	0.077 (J)						
7/12/2018				<0.1	<0.1	<0.1			0.17 (J)
8/15/2018								<0.1	
8/16/2018							0.073 (J)		
8/17/2018									
9/12/2018	0.034 (J)	<0.1							
9/13/2018			<0.1	<0.1	0.15 (J)	<0.1		<0.1	
9/14/2018							<0.1		<0.1
10/4/2018									
10/24/2018									
3/26/2019	<0.1								
3/27/2019		<0.1	<0.1			<0.1		<0.1	
3/28/2019				<0.1	0.1 (J)		0.15 (J)		0.074 (J)
8/20/2019	<0.1								
8/21/2019		<0.1	<0.1		0.044 (J)	<0.1			
8/22/2019				<0.1			0.11 (J)	<0.1	0.1 (J)
9/10/2019			<0.1						
10/1/2019	0.062 (J)								
10/2/2019		0.056 (J)			0.075 (J)	0.053 (J)	0.063 (J)		
10/3/2019				0.041 (J)				0.043 (J)	0.084 (J)
3/24/2020	<0.1								
3/25/2020		<0.1	0.066 (J)				<0.1		
3/26/2020				<0.1	0.056 (J)	<0.1		<0.1	0.077 (J)
8/25/2020	<0.1								
8/26/2020		<0.1	0.057 (J)	<0.1	<0.1	<0.1	<0.1		0.062 (J)
8/27/2020								<0.1	
10/6/2020	<0.1	<0.1	0.052 (J)			<0.1			
10/7/2020				<0.1	<0.1		<0.1	<0.1	0.064 (J)
3/3/2021	<0.1	<0.1	<0.1						0.058 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
3/4/2021				<0.1	<0.1	<0.1	<0.1	<0.1	
3/8/2021									
9/14/2021	<0.1								
9/15/2021		<0.1	<0.1		<0.1	<0.1			
9/16/2021				<0.1			0.052 (J)	<0.1	0.067 (J)
1/25/2022	<0.1								
1/26/2022		<0.1	<0.1		<0.1	<0.1			
1/27/2022				<0.1			<0.1	<0.1	0.056 (J)
8/24/2022	0.08 (J)								
8/25/2022		0.051 (J)	0.074 (J)	0.056 (J)	0.074 (J)	0.058 (J)	0.078 (J)	0.052 (J)	0.086 (J)
2/14/2023	0.063 (J)	<0.1	0.084 (J)						
2/15/2023				0.05 (J)	0.064 (J)	0.053 (J)		<0.1	0.086 (J)
2/16/2023							0.077 (J)		
9/19/2023	0.06 (J)					<0.1			
9/20/2023		<0.1	0.062 (J)	<0.1	0.064 (J)		0.073 (J)	<0.1	0.082 (J)
9/21/2023									
2/27/2024									
2/28/2024	<0.1		0.07 (J)	<0.1	0.059 (J)				
2/29/2024		<0.1				<0.1	0.068 (J)	<0.1	0.078 (J)
8/13/2024	<0.1								
8/14/2024		<0.1	<0.1		<0.1	<0.1		<0.1	0.065 (J)
8/15/2024				<0.1			<0.1		
3/11/2025	<0.1								
3/12/2025		<0.1				<0.1	<0.1	<0.1	0.055 (J)
3/13/2025			<0.1	<0.1	<0.1				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	0.25 (J)				
10/18/2016		0.16 (J)	0.11 (J)		
12/6/2016		0.15 (J)			
12/7/2016			0.07 (J)		
12/8/2016	0.22 (J)			0.21 (J)	
3/21/2017		0.02 (J)			
3/22/2017	0.16 (J)				
3/23/2017			<0.1	0.18 (J)	
7/11/2017	0.23 (J)	0.06 (J)	0.02 (J)		
7/12/2017				0.06 (J)	
10/17/2017		0.05 (J)	<0.1		
10/18/2017	0.28 (J)				
10/19/2017				<0.1	
2/20/2018		0.21 (J)	<0.1		
2/21/2018	0.29 (J)			0.039 (J)	
4/12/2018					<0.1
5/23/2018					0.063 (J)
6/13/2018					0.11 (J)
7/11/2018		0.087 (J)	<0.1		<0.1
7/12/2018	0.21 (J)			<0.1	
8/15/2018					
8/16/2018					
8/17/2018					<0.1
9/12/2018		0.049 (J)			0.093 (J)
9/13/2018	0.22 (J)		<0.1		
9/14/2018				<0.1	
10/4/2018				0.15 (J)	0.15 (J)
10/24/2018					0.29 (J)
3/26/2019		<0.1			
3/27/2019	0.37		<0.1		0.04 (J)
3/28/2019				<0.1	
8/20/2019			<0.1		
8/21/2019	0.11 (J)	<0.1			0.046 (J)
8/22/2019				<0.1	
9/10/2019					
10/1/2019			0.042 (J)		
10/2/2019	0.16 (J)	0.057 (J)			0.11 (J)
10/3/2019				0.06 (J)	
3/24/2020					0.051 (J)
3/25/2020	0.13 (J)	<0.1	<0.1		
3/26/2020				<0.1	
8/25/2020		<0.1	<0.1		
8/26/2020	0.14			<0.1	0.057 (J)
8/27/2020					
10/6/2020		<0.1	<0.1		0.073 (J)
10/7/2020	0.13			<0.1	
3/3/2021	0.12	<0.1	<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
3/4/2021				<0.1	
3/8/2021					<0.1
9/14/2021			<0.1		0.089 (J)
9/15/2021	0.14	<0.1			
9/16/2021				<0.1	
1/25/2022					0.071 (J)
1/26/2022	0.11	<0.1	<0.1		
1/27/2022				<0.1	
8/24/2022	0.15	0.069 (J)	0.058 (J)	0.092 (J)	0.088 (J)
8/25/2022					
2/14/2023		0.059 (J)	<0.1		0.076 (J)
2/15/2023	0.16				
2/16/2023				0.082 (J)	
9/19/2023	0.14	0.053 (J)	<0.1		0.094 (J)
9/20/2023					
9/21/2023				0.074 (J)	
2/27/2024	0.13		<0.1		0.084 (J)
2/28/2024		0.06 (J)			
2/29/2024				0.068 (J)	
8/13/2024	0.12	<0.1	<0.1		0.083 (J)
8/14/2024					
8/15/2024				<0.1	
3/11/2025		<0.1			0.052 (J)
3/12/2025	0.13		<0.1		
3/13/2025				<0.1	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-19	PZ-18	PZ-17
8/30/2016	7.67								
8/31/2016		6.97	6.75						
9/1/2016				7.07	7.21				
9/6/2016						7.23			
9/7/2016							6.71	6.92	7.02
9/8/2016									
10/4/2016									
10/5/2016									
10/10/2016									
10/17/2016									
10/18/2016									
12/6/2016	7.57								
12/7/2016		6.85	6.64	6.85	7.13	7.3			
12/8/2016							6.61	6.9	6.95
3/21/2017	7.54	7.04	6.73						
3/22/2017				6.99	7.04	7.2		7	7.05
3/23/2017							6.69		
7/11/2017	7.43	6.88	6.66			7.31			
7/12/2017				6.83	7.09		6.69	6.95	7.06
10/17/2017	7.7								
10/18/2017		6.77	6.73		7.2	7.28	6.88	6.88	6.99
10/19/2017				6.91			6.85		
2/20/2018	7.57	7.31	7.11						
2/21/2018				6.97	7.11	7.1	6.66	6.89	6.95
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	7.48	7.12	7						
7/12/2018				6.85	7.07	7.14	6.84	7.01	7.06
8/15/2018								6.87	
8/16/2018									7.01
8/17/2018									
9/12/2018	7.41	6.87							
9/13/2018			6.56	6.88	7.01	7.08		6.86	
9/14/2018							6.76		6.83
10/4/2018									
10/24/2018									
3/26/2019	7.49								
3/27/2019		6.98	6.75			7.23		6.92	
3/28/2019				6.96	7.84		6.67		6.97
8/20/2019	7.87								
8/21/2019		7.31	7.08		7.51	7.23			
8/22/2019				7.31			6.73	7.02	7.24
9/10/2019			6.78						
10/1/2019	7.5								
10/2/2019		6.96			7.22	7.22			6.99
10/3/2019				6.85			6.93	6.78	
3/24/2020	7.79								
3/25/2020		7.02	6.84						6.93
3/26/2020				7.12	7.08	7.12	6.7	7.01	
8/25/2020	7.49								
8/26/2020		6.98	6.64	7.01	7.08	7.18	6.68		6.98

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-19	PZ-18	PZ-17
8/27/2020								6.88	
10/6/2020	7.35	7.01	6.78			7.24			
10/7/2020				6.98	7.11		6.78	6.91	7.04
3/3/2021	7.56	6.99	6.79				6.78		
3/4/2021				6.95	7.09	7.34		6.91	7.09
3/8/2021									
9/14/2021	7.45								
9/15/2021		6.94	6.72		7.09	7.12			
9/16/2021				6.96			6.77	6.85	7.03
1/25/2022	7.51								
1/26/2022		7.05	6.83		7.33	7.26			
1/27/2022				7.03			6.8	6.92	7.03
8/24/2022	7.49								
8/25/2022		6.93	6.76	6.98	7.15	7.14	6.67	6.76	7.05
10/11/2022									
2/14/2023	7.43	7.04	6.75						
2/15/2023				6.92	7.09	7.1	6.66	6.73	
2/16/2023									7.14
9/19/2023	7.44					7.08			
9/20/2023		6.94	6.86	7.15	7.07		6.83	6.76	7.16
9/21/2023									
2/27/2024									
2/28/2024	7.41		6.79	7.07	7.18				
2/29/2024		7.07				7.19	6.82	6.94	7.2
8/13/2024	7.46								
8/14/2024		7.11	6.75		7.11	7.15	6.9	6.92	
8/15/2024				7.05					7.35
3/11/2025	7.42								
3/12/2025		7.11				7.18	6.74	6.96	7.38
3/13/2025			6.79	7.12	7.16				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	7.1				
10/4/2016		6.88			
10/5/2016		6.91			
10/10/2016		6.89			
10/17/2016			7.43		
10/18/2016			7.45	7.15	
12/6/2016				7.04	
12/7/2016			7.29		
12/8/2016	6.98	6.86			
3/21/2017				7.01	
3/22/2017	7.16				
3/23/2017		6.9	7.26		
7/11/2017	7.15	7.82	7.31	6.96	
7/12/2017		6.81			
10/17/2017			7.29	7.31	7.61
10/18/2017	7.09				
10/19/2017		6.86			
2/20/2018			7.26	7.37	
2/21/2018	7.12	7.02			
4/12/2018					9.54
5/23/2018					9.57
6/13/2018					9.71
7/11/2018			7.39	7.26	9.48
7/12/2018	7.01	6.82		7.01	
8/15/2018					
8/16/2018					
8/17/2018					9.31
9/12/2018				7.02	9.07
9/13/2018	7.03		7.25		
9/14/2018		6.75			
10/4/2018		6.9			9.16
10/24/2018					9.29
3/26/2019				7	
3/27/2019	7.08		7.42		8.76
3/28/2019		6.96			
8/20/2019			7.36		
8/21/2019	7.09			7.44	8.68
8/22/2019		6.94			
9/10/2019					
10/1/2019			7.43		
10/2/2019	7.2			7.09	8.97
10/3/2019		7.01			
3/24/2020					8.57
3/25/2020	7.01		7.23	7.15	
3/26/2020		7			
8/25/2020			7.53	7.14	
8/26/2020	7.09	6.99			7.97

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-33	PZ-32 (bg)	PZ-31 (bg)	PZ-2D (bg)
8/27/2020					
10/6/2020			7.27	7.01	8.72
10/7/2020	6.95	7.04			
3/3/2021	7.04		7.41	7.14	
3/4/2021		7.22			
3/8/2021					7.77
9/14/2021			7.31		8.96
9/15/2021	7.05			6.99	
9/16/2021		7.1			
1/25/2022					8.4
1/26/2022	7.28		7.44	7.1	
1/27/2022		7.18			
8/24/2022	7.1	7.1	7.34	7.04	8.01
8/25/2022					
10/11/2022	7.13		7.37		7.94
2/14/2023			7.36	7.09	7.97
2/15/2023	7.02				
2/16/2023		7.13			
9/19/2023	7.18		7.43	7.02	8.82
9/20/2023					
9/21/2023		7.05			
2/27/2024	7.13		7.39		8.49
2/28/2024				7.11	
2/29/2024		7.14			
8/13/2024	7.06		7.33	7.12	9.2
8/14/2024					
8/15/2024		7.07			
3/11/2025				7.08	8.2
3/12/2025	7.12		7.31		
3/13/2025		7.07			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
8/30/2016	2.1								
8/31/2016		4.1	29						
9/1/2016				62	73				
9/6/2016						49			
9/7/2016							99	96	87
9/8/2016									
10/18/2016									
12/6/2016	2.4								
12/7/2016		1.5	24	57	71	46			
12/8/2016							94	94	84
3/21/2017	2.5	2	31						
3/22/2017				61	80	53	100	95	
3/23/2017									90
7/11/2017	2.6	2	37			52			
7/12/2017				53	78		100	96	93
10/17/2017	2.5								
10/18/2017		4.2	34		82	58	100	99	
10/19/2017				55					92
2/20/2018	2.3	2.4	34.7						
2/21/2018				52.1	72.2	48.2	98.8	91.8	84.5
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	2.5	3.8	35.4						
7/12/2018				53.9	80.5	48.8			84.9
8/15/2018								101	
8/16/2018							111		
8/17/2018									
9/12/2018	2	4.3							
9/13/2018			37.4	67.5	84.4	48.7		106	
9/14/2018							102		89.5
10/4/2018									
10/24/2018									
3/26/2019	2.7								
3/27/2019		8.2	41.9			46.5		111	
3/28/2019				59.6	90.3		94.7		83.5
9/10/2019			45.1						
10/1/2019	2.8								
10/2/2019		6.2			83	48.5	104		
10/3/2019				59.6				95.8	84.9
3/24/2020	3								
3/25/2020		11.9	47				92.4		
3/26/2020				57.1	83.6	43.5		91	84.9
10/6/2020	2.4	11	71.2			42.4			
10/7/2020				48.9	80.7		89.1	87.3	83.3
3/3/2021	2.2	8.8	66						80.8
3/4/2021				49.7	74.1	38.9	66.8	88.6	
3/8/2021									
9/14/2021	2.6								
9/15/2021		11.4	46.8		73.4	37.8			
9/16/2021				41.8			70.9	86.9	72.7
1/25/2022	2.4								

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-7D	PZ-15	PZ-16	PZ-17	PZ-18	PZ-19
1/26/2022		9.1	37.8		77.2	38.9			
1/27/2022				46.7			62.1	89.9	76.3
8/24/2022	2.2								
8/25/2022		10.7	45.6	47.3	75.5	38.7	62.7	96.3	84.4
2/14/2023	1.6	10	35.1						
2/15/2023				49.9	75.7	38.1		96.6	78.8
2/16/2023							54.2		
9/19/2023	2.2					37.5			
9/20/2023		12.5	44.3	40.7	74.9		34.3	93.8	83.4
9/21/2023									
2/27/2024									
2/28/2024	<1		33.5	40.3	77.4				
2/29/2024		13.3				37.9	45.4	92.7	71.5
8/13/2024	2.5								
8/14/2024		17.3	43.4		78.4	38.8		94.3	61.7
8/15/2024				39			18.3		
3/11/2025	1.8								
3/12/2025		13.9				37.8	31.5	89.9	79.8
3/13/2025			33.3	34.9	72.6				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	48				
10/18/2016		2.2	2.3		
12/6/2016		6.1			
12/7/2016			1.9		
12/8/2016	46			100	
3/21/2017		5.7			
3/22/2017	53				
3/23/2017			1.7	100	
7/11/2017	51	4.8	1.8		
7/12/2017				97	
10/17/2017		6.4	1.9		
10/18/2017	50				
10/19/2017				97	
2/20/2018		5.2	2.1		
2/21/2018	46.8			93.6	
4/12/2018					4.8 (J)
5/23/2018					4.5
6/13/2018					5.3
7/11/2018		3.6	2		5.4
7/12/2018	48.3			89.4	
8/15/2018					
8/16/2018					
8/17/2018					4.5
9/12/2018		2.7			4.4
9/13/2018	42		2.1		
9/14/2018				88.9	
10/4/2018				97.8	5.8
10/24/2018					6.2
3/26/2019		1.6			
3/27/2019	43.7		2.4		3.7
3/28/2019				76.7	
9/10/2019					
10/1/2019			2.2		
10/2/2019	43	1.6			4.1
10/3/2019				72.1	
3/24/2020					3.1
3/25/2020	39.1	1.5	1.9		
3/26/2020				66.6	
10/6/2020		0.98 (J)	1.9		3.1
10/7/2020	38.1			54.6	
3/3/2021	39.2	0.6 (J)	2		
3/4/2021				49.3	
3/8/2021					2.7
9/14/2021			1.8		3.8
9/15/2021	37.8	0.64 (J)			
9/16/2021				40.4	
1/25/2022					2.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	37.5	0.69 (J)	1.9		
1/27/2022				40	
8/24/2022	35.7	0.56 (J)	1.7	34.7	2
8/25/2022					
2/14/2023		0.89 (J)	2		2.6
2/15/2023	37.1				
2/16/2023				36	
9/19/2023	34.7	0.61 (J)	1.5		3.2
9/20/2023					
9/21/2023				34.8	
2/27/2024	34		1.4		2.6
2/28/2024		0.54 (J)			
2/29/2024				32.2	
8/13/2024	34.8	0.8 (J)	1.7		3.3
8/14/2024					
8/15/2024				31.6	
3/11/2025		0.56 (J)			2.2
3/12/2025	35.3		1.6		
3/13/2025				31.3	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-19	PZ-17	PZ-18
8/30/2016	136								
8/31/2016		344	400						
9/1/2016				284	373				
9/6/2016						257			
9/7/2016							508	392	415
9/8/2016									
10/18/2016									
12/6/2016	207								
12/7/2016		393	406	242	433	248			
12/8/2016							556	431	441
3/21/2017	128	276	409						
3/22/2017				332	409	304		456	469
3/23/2017							482		
7/11/2017	138	263	414			265			
7/12/2017				308	374		497	445	432
10/17/2017	101								
10/18/2017		261	366	275		240		349	368
10/19/2017					318		448		
2/20/2018	138	295	429						
2/21/2018				312	367	285	500	411	409
4/12/2018									
5/23/2018									
6/13/2018									
7/11/2018	153	294	440						
7/12/2018				337	423	285	523		
8/15/2018									422
8/16/2018								415	
8/17/2018									
9/12/2018	146	286							
9/13/2018			448	336	394	291			438
9/14/2018							486	403	
10/4/2018									
10/24/2018									
3/26/2019	334								
3/27/2019		281	410			277			408
3/28/2019				337	365		378	420	
9/10/2019			420						
10/1/2019	146								
10/2/2019		312		355		284		415	
10/3/2019					405		485		464
3/24/2020	228								
3/25/2020		330	454					408	
3/26/2020				330	332	286	440		415
10/6/2020	153	241	462			261			
10/7/2020				336	334		492	392	425
3/3/2021	134	258	444				452		
3/4/2021				300	335	264		325	427
3/8/2021									
9/14/2021	150								
9/15/2021		292	422	326		270			
9/16/2021					307		450	330	419
1/25/2022	148								

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-1D (bg)	PZ-14	PZ-23A	PZ-15	PZ-7D	PZ-16	PZ-19	PZ-17	PZ-18
1/26/2022		288	413	308		267			
1/27/2022					331		442	329	433
8/24/2022	139								
8/25/2022		259	437	319	325	90	528	321	446
10/11/2022									
2/14/2023	200	300	414						
2/15/2023				329	335	334	529		477
2/16/2023								299	
9/19/2023	146					298			
9/20/2023		293	421	328	302		512	256	451
9/21/2023									
2/27/2024									
2/28/2024	176		430	342	325				
2/29/2024		308				292	470	277	473
8/13/2024	163								
8/14/2024		284	436	342		311	436		468
8/15/2024					350			245	
3/11/2025	161								
3/12/2025		304				328	538	252	475
3/13/2025			435	329	316				

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
8/30/2016					
8/31/2016					
9/1/2016					
9/6/2016					
9/7/2016					
9/8/2016	293				
10/18/2016		264	152		
12/6/2016		299			
12/7/2016			214		
12/8/2016	309			503	
3/21/2017		260			
3/22/2017	299				
3/23/2017			165	430	
7/11/2017	301	244	162		
7/12/2017				438	
10/17/2017		218	140		
10/18/2017	256				
10/19/2017				393	
2/20/2018		264	163		
2/21/2018	297			435	
4/12/2018					69
5/23/2018					62
6/13/2018					93
7/11/2018		273	192		84
7/12/2018	310			447	
8/15/2018					
8/16/2018					
8/17/2018					115
9/12/2018		252			97
9/13/2018	307		192		
9/14/2018				447	
10/4/2018				450	103
10/24/2018					110
3/26/2019		253			
3/27/2019	287		167		87
3/28/2019				405	
9/10/2019					
10/1/2019			187		
10/2/2019	312	263			95
10/3/2019				414	
3/24/2020					123
3/25/2020	280	278	178		
3/26/2020				336	
10/6/2020		254	169		81
10/7/2020	280			337	
3/3/2021	267	264	166		
3/4/2021				283	
3/8/2021					126
9/14/2021			179		71
9/15/2021	272	256			
9/16/2021				296	
1/25/2022					68

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 6/19/2025 3:37 PM View: Appendix III Interwell
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25	PZ-31 (bg)	PZ-32 (bg)	PZ-33	PZ-2D (bg)
1/26/2022	276	262	182		
1/27/2022				274	
8/24/2022	286	261	172	265	287
8/25/2022					
10/11/2022	267		173		75
2/14/2023		257	177		140
2/15/2023	264				
2/16/2023				293	
9/19/2023	311	265	217		86
9/20/2023					
9/21/2023				300	
2/27/2024	287		192		75
2/28/2024		276			
2/29/2024				314	
8/13/2024	273	263	187		69
8/14/2024					
8/15/2024				341	
3/11/2025		259			82
3/12/2025	298		200		
3/13/2025				323	

FIGURE F.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	**PZ-7D**	**-0.0239**	**-156**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-17**	**-0.02919**	**-124**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**PZ-25**	**-0.00505**	**-100**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**3.925**	**139**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-15**	**-0.2167**	**-131**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.259**	**-137**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-7D**	**-2.537**	**-139**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.605**	**163**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-16**	**-1.889**	**-152**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.827**	**-143**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-19**	**-1.725**	**-127**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-25**	**-1.977**	**-170**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.25**	**-194**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**PZ-7D**	**-9.482**	**-106**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**PZ-33**	**-23.5**	**-105**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

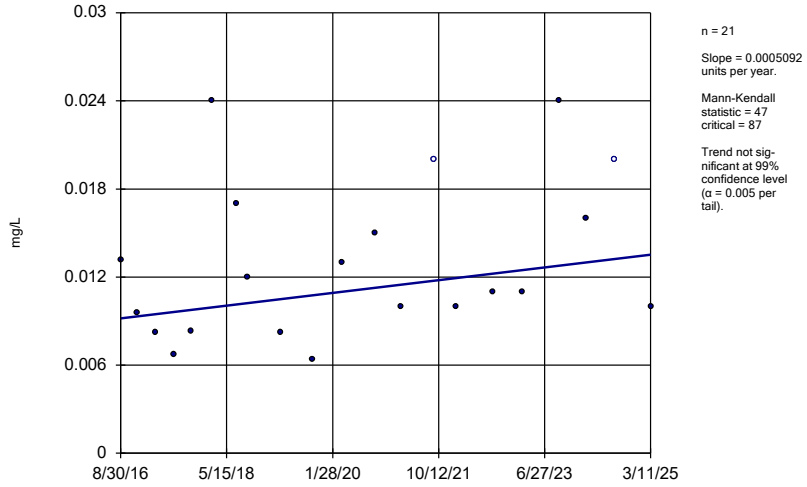
Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 5/8/2025, 12:21 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	PZ-1D (bg)	0.0005092	47	87	No	21	9.524	n/a	0.01	NP
Boron (mg/L)	PZ-2D (bg)	-0.0005749	-51	-87	No	21	4.762	n/a	0.01	NP
Boron (mg/L)	PZ-31 (bg)	0	14	87	No	21	28.57	n/a	0.01	NP
Boron (mg/L)	PZ-32 (bg)	0	5	87	No	21	9.524	n/a	0.01	NP
Boron (mg/L)	**PZ-7D**	**-0.0239**	**-156**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-15	-0.002538	-54	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-16	0	-5	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**PZ-17**	**-0.02919**	**-124**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-18	0.002606	34	87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-19	-0.0175	-63	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	PZ-23A	-0.003383	-77	-87	No	21	0	n/a	0.01	NP
Boron (mg/L)	**PZ-25**	**-0.00505**	**-100**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	PZ-33	-0.007683	-81	-87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-1D (bg)	0.9353	72	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-2D (bg)	0.2416	12	87	No	21	4.762	n/a	0.01	NP
Calcium (mg/L)	PZ-31 (bg)	1.197	74	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	**PZ-32 (bg)**	**1.228**	**122**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**PZ-18**	**3.925**	**139**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	PZ-19	0	4	87	No	21	0	n/a	0.01	NP
Calcium (mg/L)	PZ-23A	0.5566	20	87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	PZ-1D (bg)	-0.03938	-61	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	PZ-2D (bg)	-0.0216	-42	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	**PZ-31 (bg)**	**-0.2141**	**-115**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	PZ-32 (bg)	-0.08189	-81	-87	No	21	0	n/a	0.01	NP
Chloride (mg/L)	**PZ-15**	**-0.2167**	**-131**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**PZ-16**	**-0.259**	**-137**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	PZ-1D (bg)	-0.01706	-93	-98	No	23	0	n/a	0.01	NP
pH, Field (SU)	**PZ-2D (bg)**	**-0.2022**	**-129**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	PZ-31 (bg)	-0.00277	-14	-105	No	24	0	n/a	0.01	NP
pH, Field (SU)	PZ-32 (bg)	0.002821	20	111	No	25	0	n/a	0.01	NP
pH, Field (SU)	PZ-19	0.01017	44	105	No	24	0	n/a	0.01	NP
pH, Field (SU)	PZ-23A	0.006759	45	98	No	23	0	n/a	0.01	NP
Sulfate (mg/L)	PZ-1D (bg)	-0.04431	-47	-87	No	21	4.762	n/a	0.01	NP
Sulfate (mg/L)	**PZ-2D (bg)**	**-0.4229**	**-125**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-31 (bg)**	**-0.5429**	**-154**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-32 (bg)	-0.05457	-76	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-7D**	**-2.537**	**-139**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-14**	**1.605**	**163**	**87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-15	-0.3585	-12	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-16**	**-1.889**	**-152**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-17**	**-8.827**	**-143**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-18	-0.5006	-44	-87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-19**	**-1.725**	**-127**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	PZ-23A	1.676	62	87	No	21	0	n/a	0.01	NP
Sulfate (mg/L)	**PZ-25**	**-1.977**	**-170**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**PZ-33**	**-10.25**	**-194**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	PZ-1D (bg)	2.87	57	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-2D (bg)	0	-1	-92	No	22	0	n/a	0.01	NP
TDS (mg/L)	PZ-31 (bg)	0.4086	16	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-32 (bg)	3.51	85	92	No	22	0	n/a	0.01	NP
TDS (mg/L)	**PZ-7D**	**-9.482**	**-106**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	PZ-15	3.319	57	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-16	4.642	65	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-18	6.022	87	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-19	-2.148	-14	-87	No	21	0	n/a	0.01	NP
TDS (mg/L)	PZ-23A	3.258	69	87	No	21	0	n/a	0.01	NP
TDS (mg/L)	**PZ-33**	**-23.5**	**-105**	**-87**	**Yes**	**21**	**0**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = 0.0005092 units per year.

Mann-Kendall statistic = 47
critical = 87

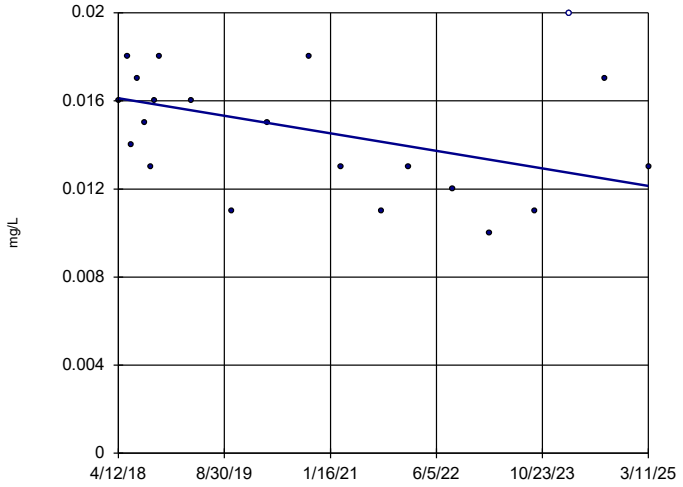
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-2D (bg)



n = 21

Slope = -0.0005749 units per year.

Mann-Kendall statistic = -51
critical = -87

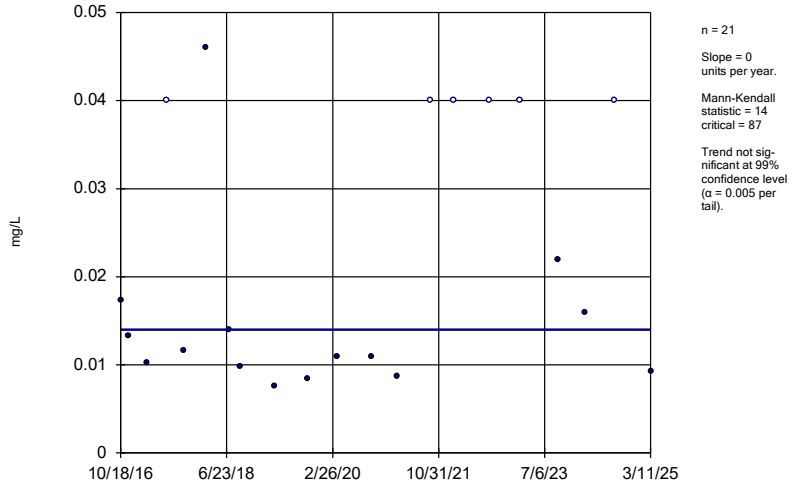
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 87

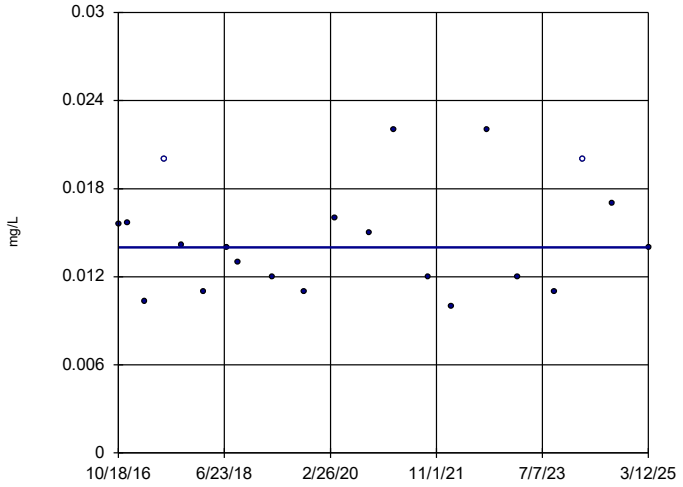
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-32 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 87

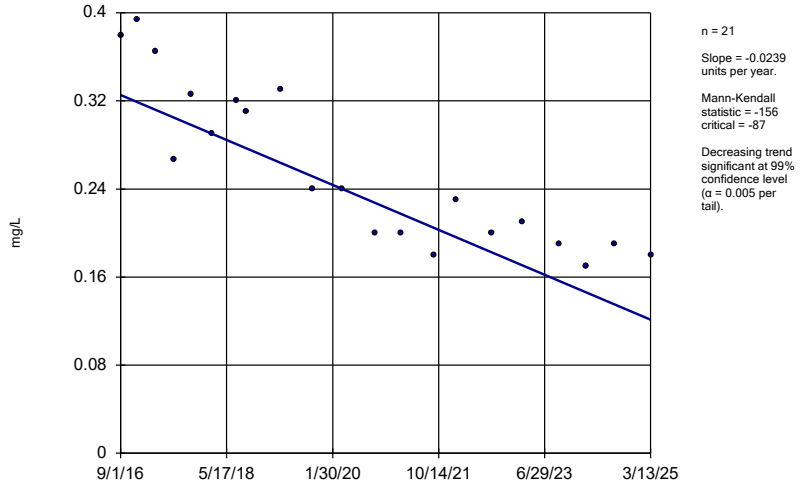
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-7D



n = 21

Slope = -0.0239 units per year.

Mann-Kendall statistic = -156 critical = -87

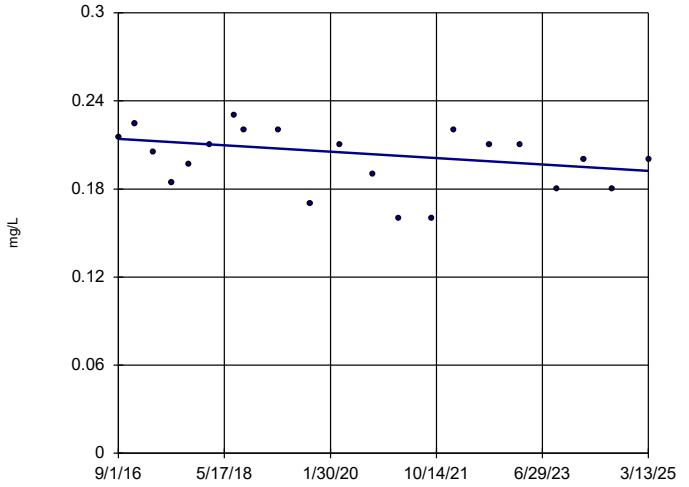
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-15



n = 21

Slope = -0.002538 units per year.

Mann-Kendall statistic = -54 critical = -87

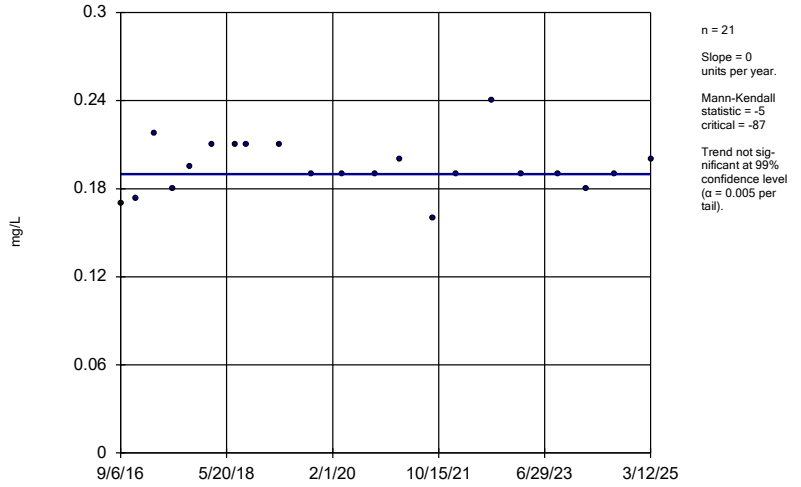
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-16



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -5 critical = -87

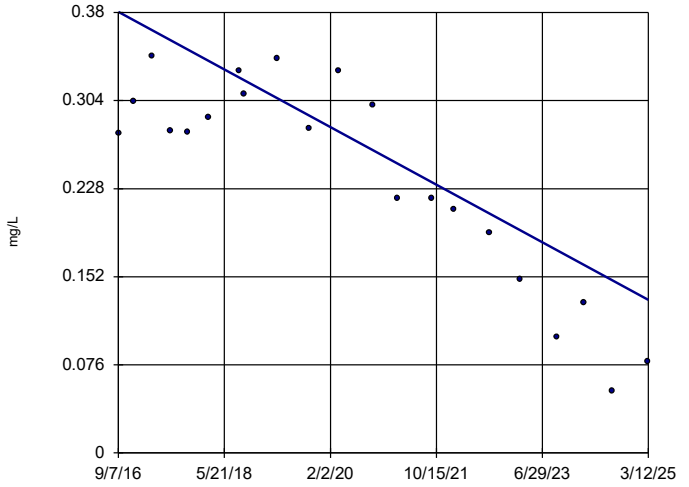
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-17



n = 21

Slope = -0.02919 units per year.

Mann-Kendall statistic = -124 critical = -87

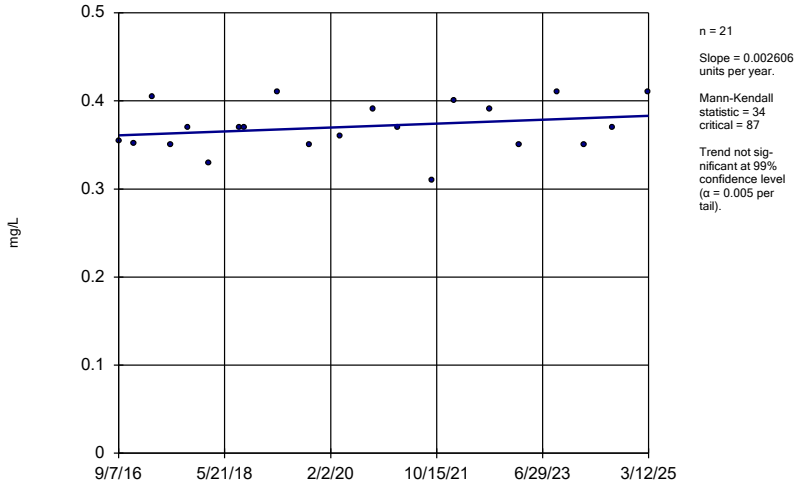
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-18



n = 21

Slope = 0.002606 units per year.

Mann-Kendall statistic = 34
critical = 87

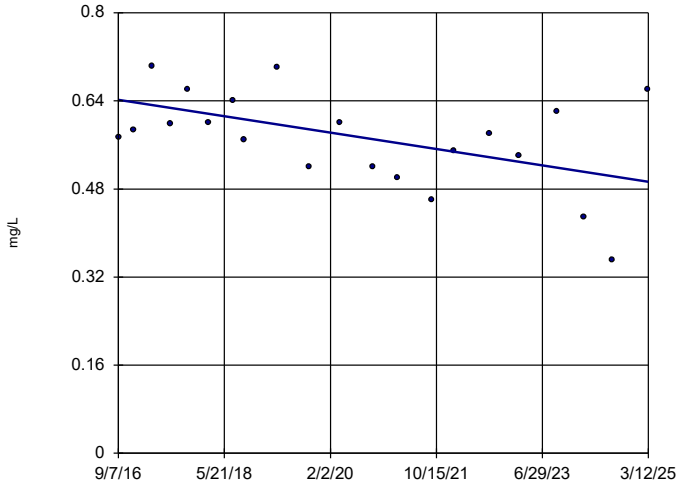
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-19



n = 21

Slope = -0.0175 units per year.

Mann-Kendall statistic = -63
critical = -87

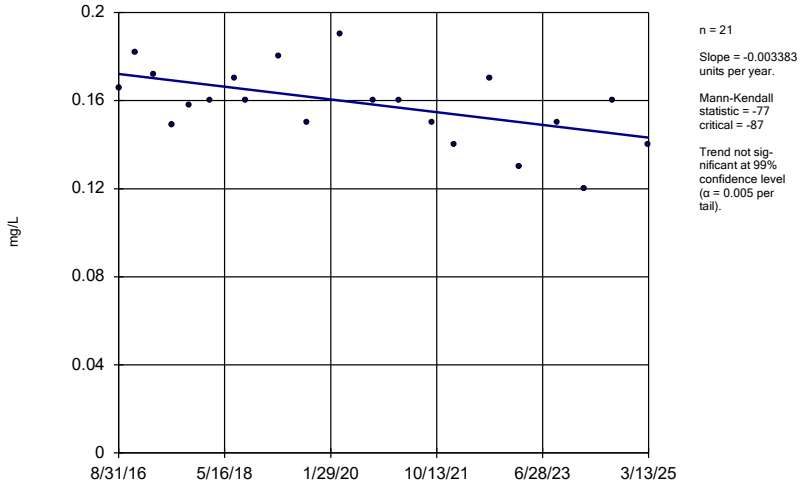
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-23A



n = 21

Slope = -0.003383 units per year.

Mann-Kendall statistic = -77
critical = -87

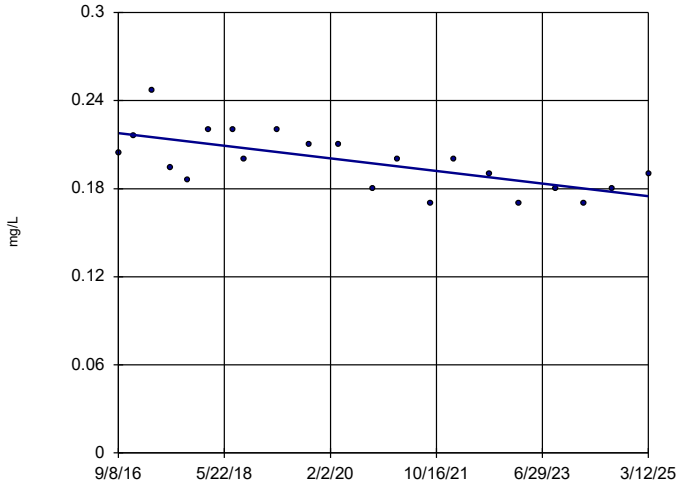
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-25



n = 21

Slope = -0.00505 units per year.

Mann-Kendall statistic = -100
critical = -87

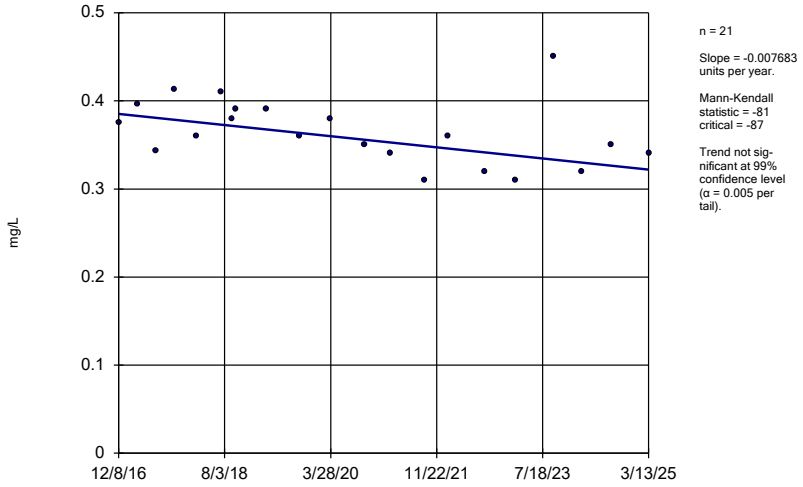
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-33



n = 21

Slope = -0.007683 units per year.

Mann-Kendall statistic = -81
critical = -87

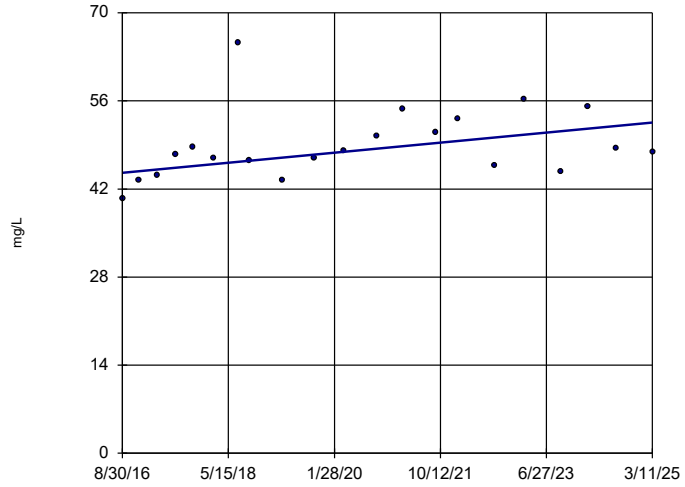
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = 0.9353 units per year.

Mann-Kendall statistic = 72
critical = 87

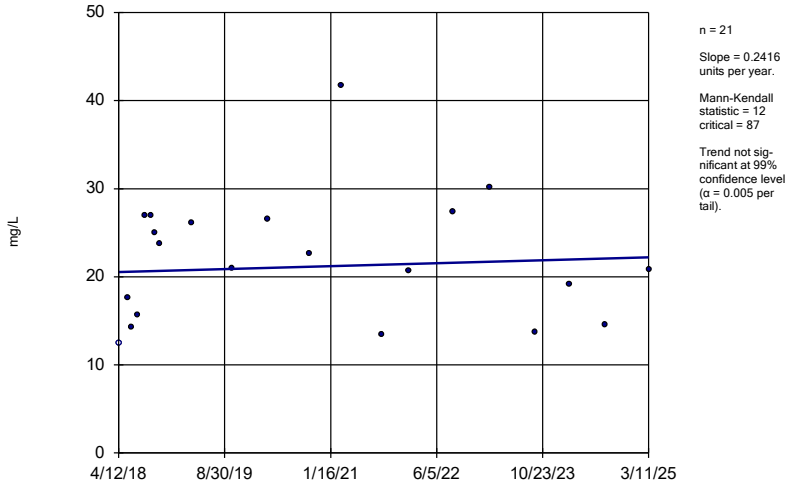
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-2D (bg)



n = 21

Slope = 0.2416 units per year.

Mann-Kendall statistic = 12
critical = 87

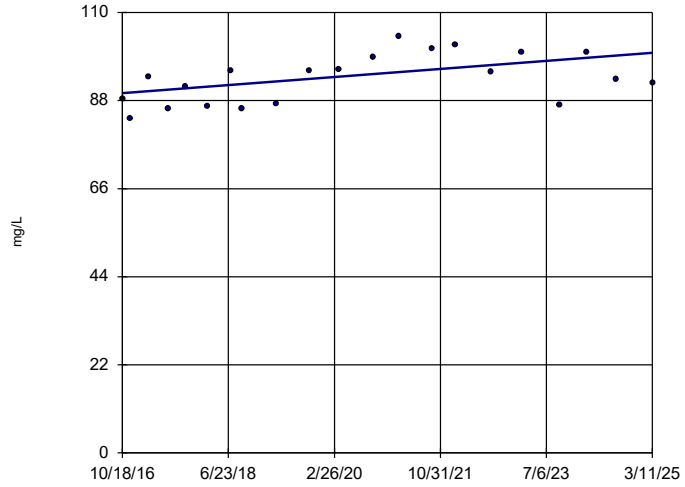
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = 1.197 units per year.

Mann-Kendall statistic = 74
critical = 87

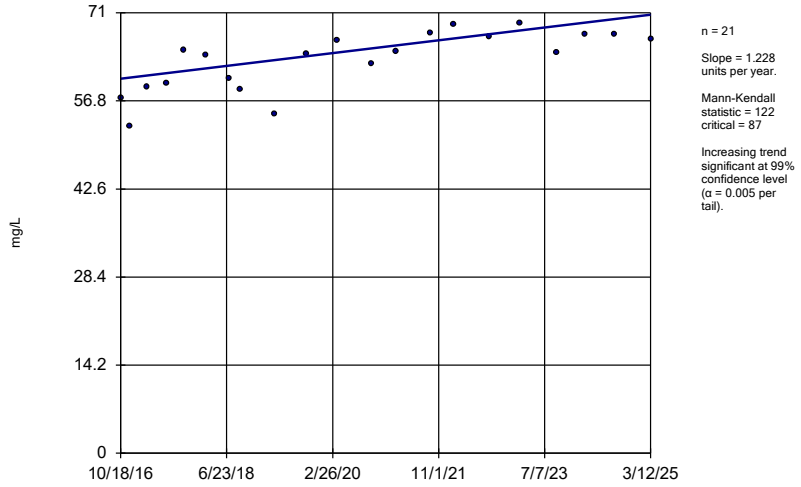
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 21

Slope = 1.228 units per year.

Mann-Kendall statistic = 122 critical = 87

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

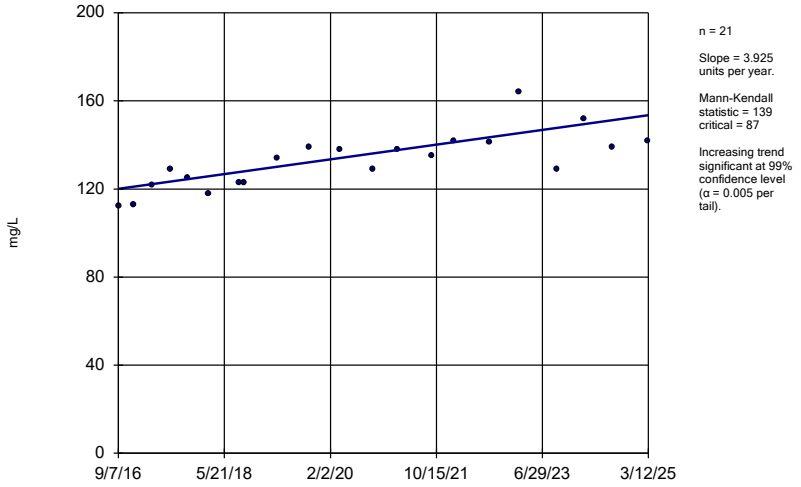
Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-18



n = 21

Slope = 3.925 units per year.

Mann-Kendall statistic = 139 critical = 87

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

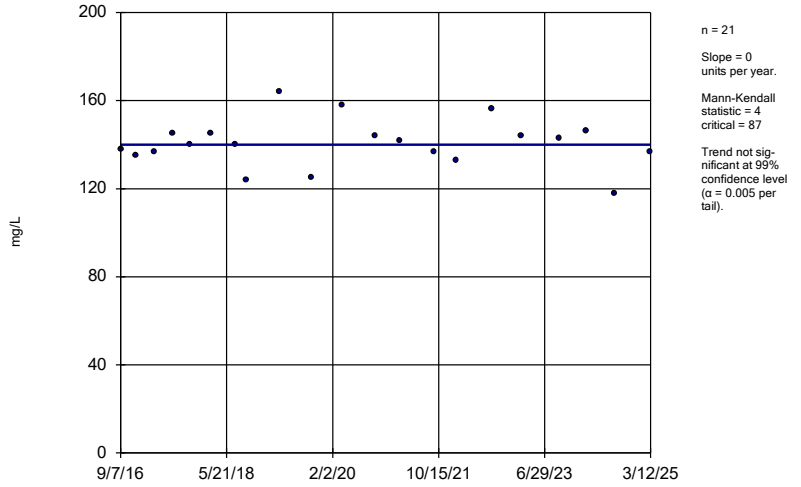
Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-19



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 4 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

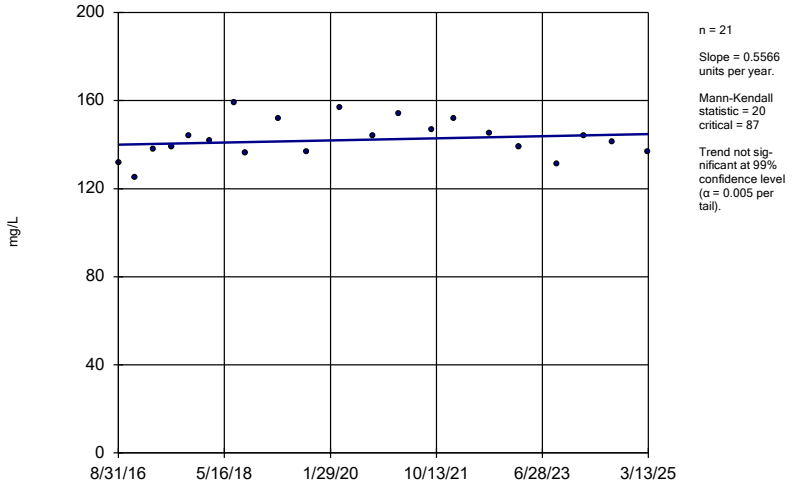
Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-23A



n = 21

Slope = 0.5566 units per year.

Mann-Kendall statistic = 20 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

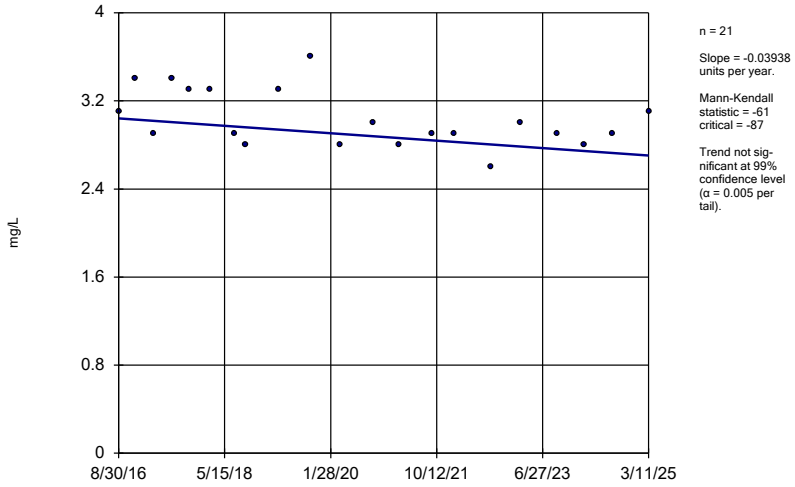
Constituent: Calcium Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = -0.03938 units per year.

Mann-Kendall statistic = -61 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

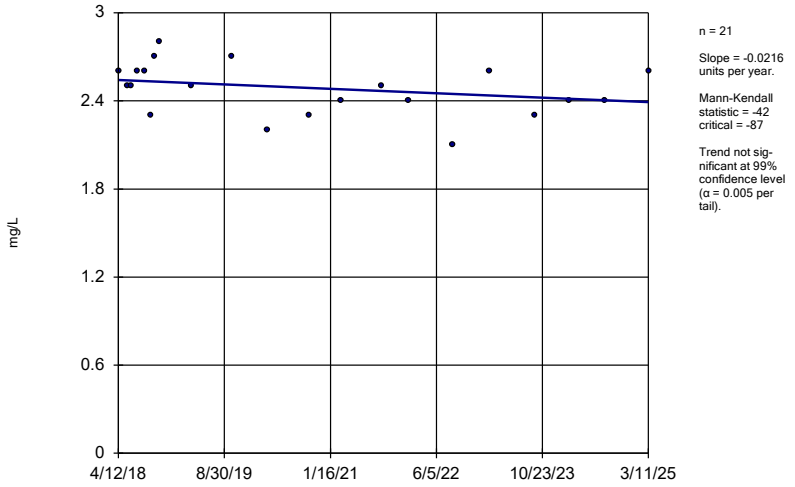
Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 21

Slope = -0.0216 units per year.

Mann-Kendall statistic = -42 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

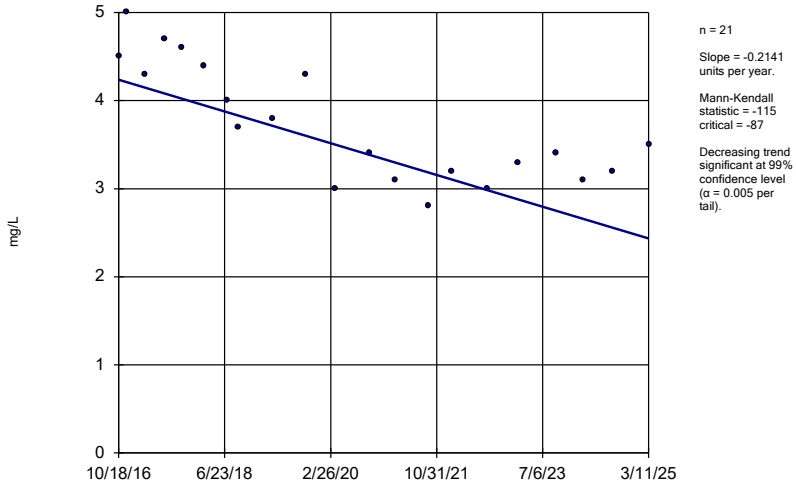
Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = -0.2141 units per year.

Mann-Kendall statistic = -115 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

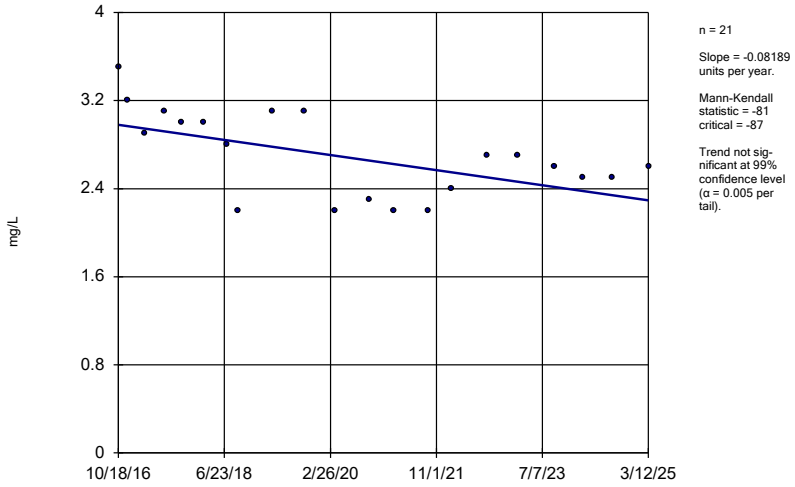
Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 21

Slope = -0.08189 units per year.

Mann-Kendall statistic = -81 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

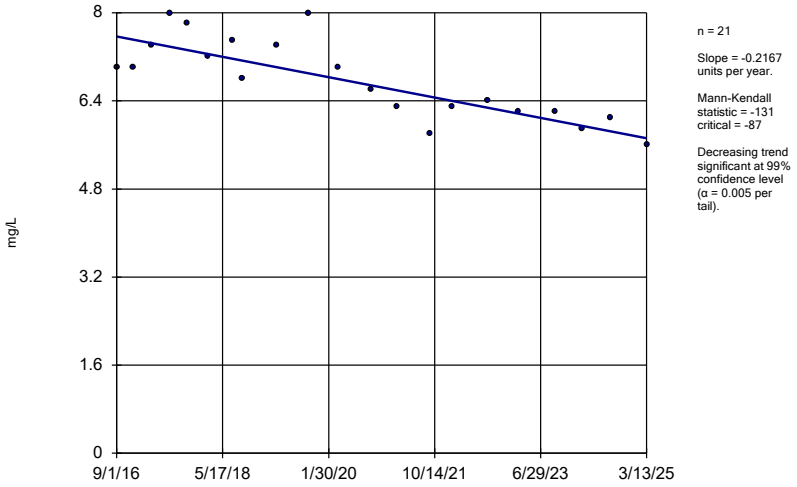
Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-15



n = 21

Slope = -0.2167 units per year.

Mann-Kendall statistic = -131 critical = -87

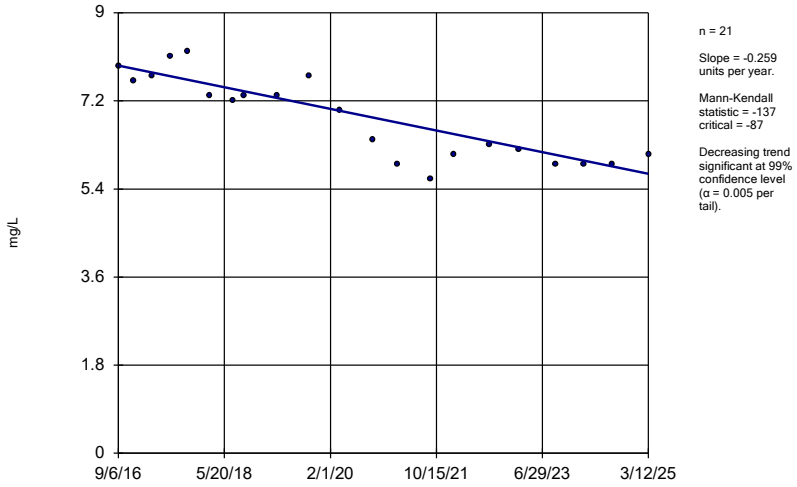
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-16



n = 21

Slope = -0.259 units per year.

Mann-Kendall statistic = -137 critical = -87

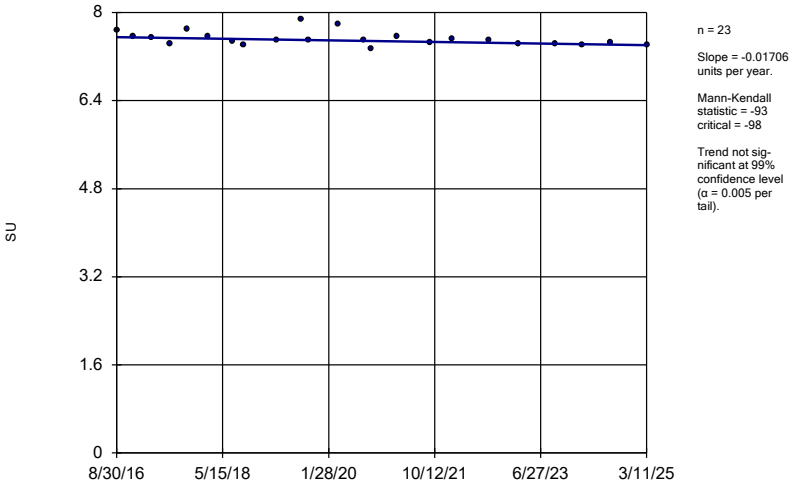
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-1D (bg)



n = 23

Slope = -0.01706 units per year.

Mann-Kendall statistic = -93 critical = -98

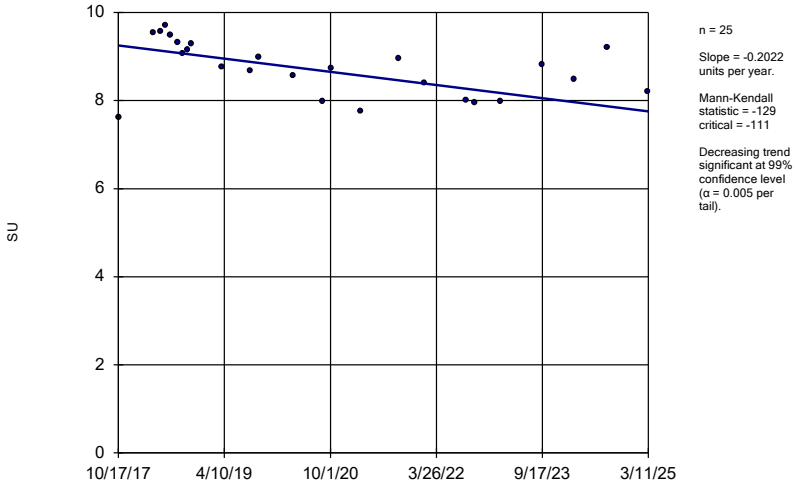
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 25

Slope = -0.2022 units per year.

Mann-Kendall statistic = -129 critical = -111

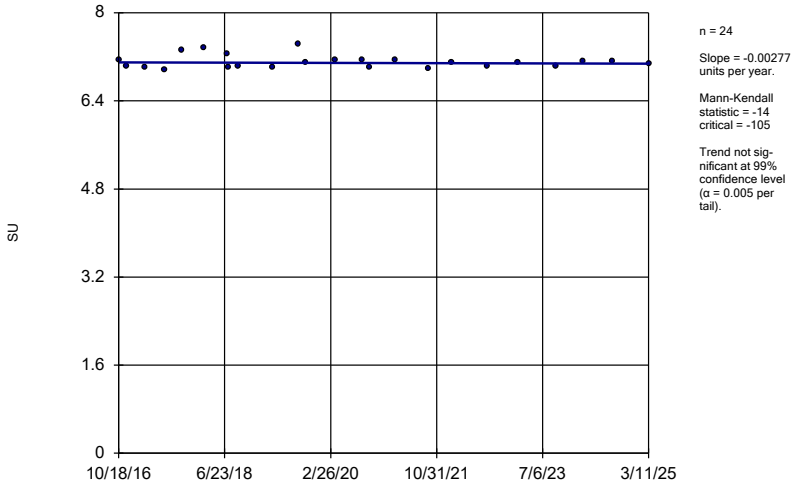
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 24

Slope = -0.00277 units per year.

Mann-Kendall statistic = -14
critical = -105

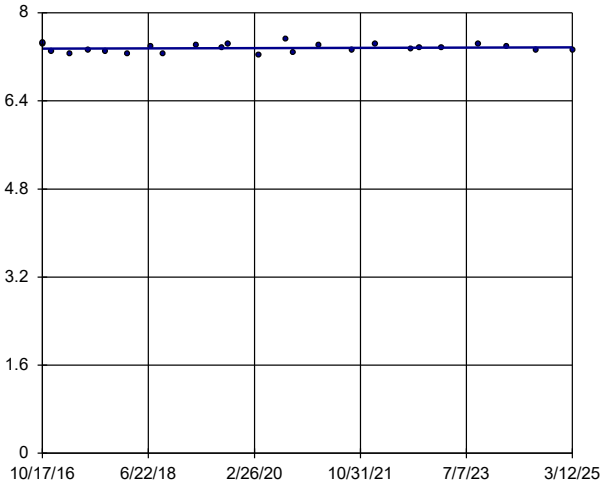
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 25

Slope = 0.002821 units per year.

Mann-Kendall statistic = 20
critical = 111

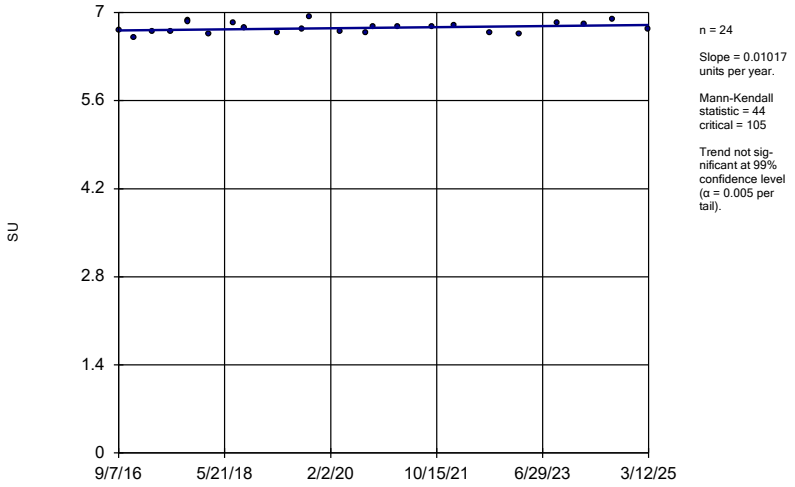
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-19



n = 24

Slope = 0.01017 units per year.

Mann-Kendall statistic = 44
critical = 105

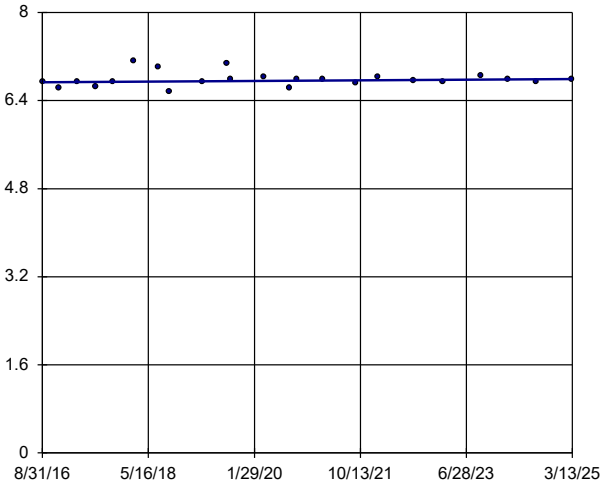
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-23A



n = 23

Slope = 0.006759 units per year.

Mann-Kendall statistic = 45
critical = 98

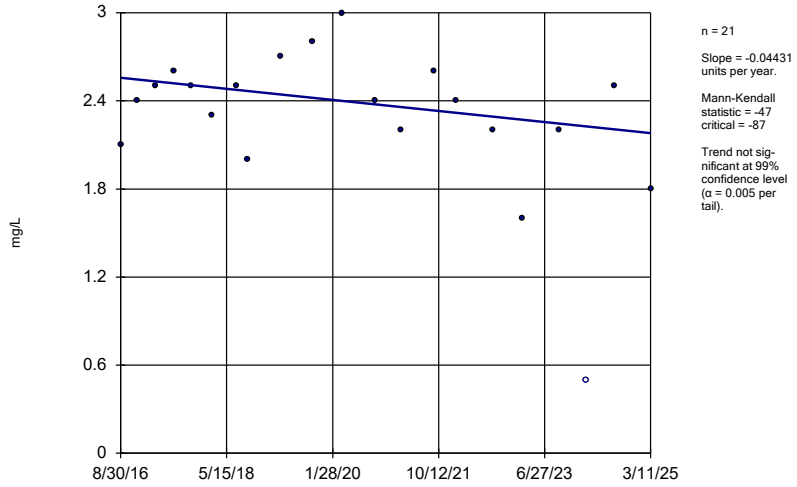
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = -0.04431 units per year.

Mann-Kendall statistic = -47 critical = -87

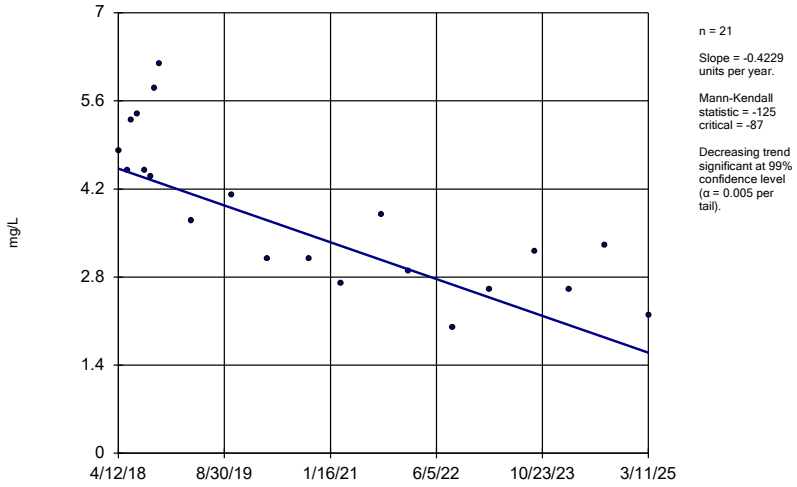
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 21

Slope = -0.4229 units per year.

Mann-Kendall statistic = -125 critical = -87

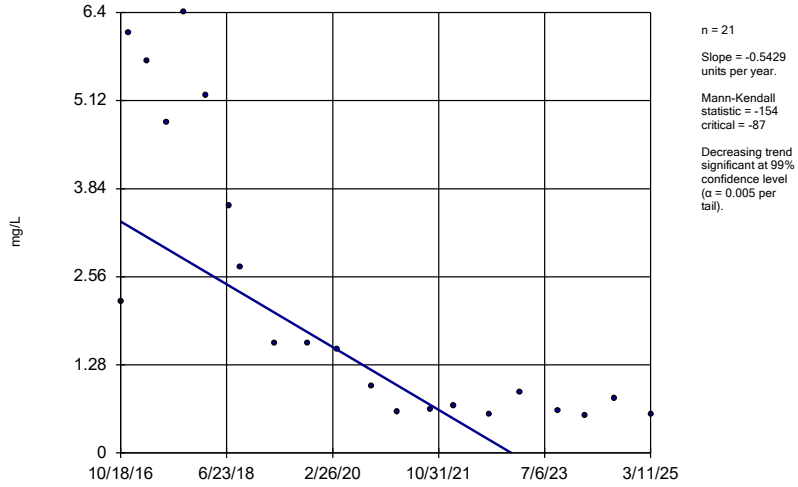
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = -0.5429 units per year.

Mann-Kendall statistic = -154 critical = -87

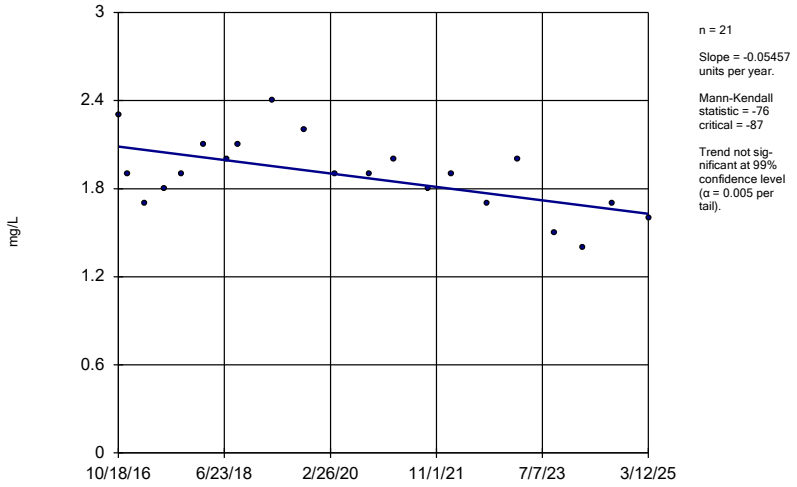
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 21

Slope = -0.05457 units per year.

Mann-Kendall statistic = -76 critical = -87

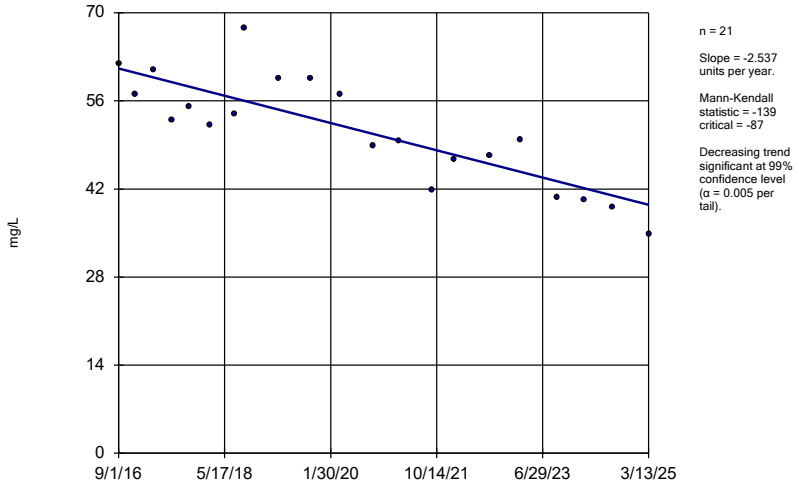
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-7D



n = 21

Slope = -2.537 units per year.

Mann-Kendall statistic = -139 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

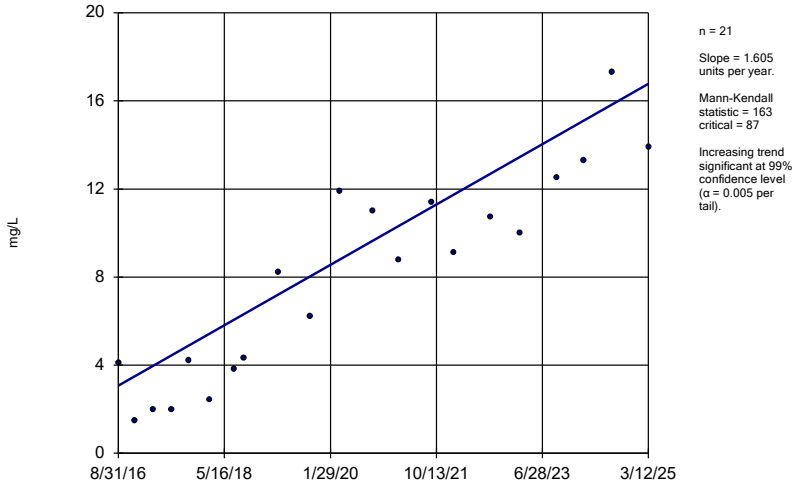
Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-14



n = 21

Slope = 1.605 units per year.

Mann-Kendall statistic = 163 critical = 87

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

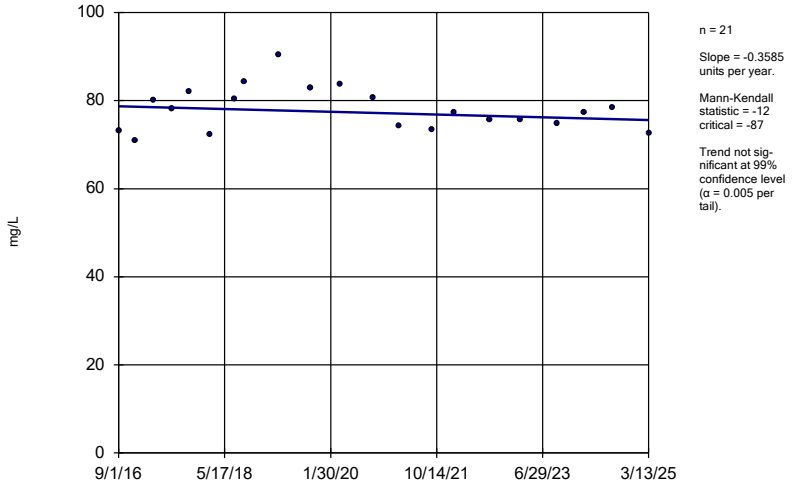
Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-15



n = 21

Slope = -0.3585 units per year.

Mann-Kendall statistic = -12 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

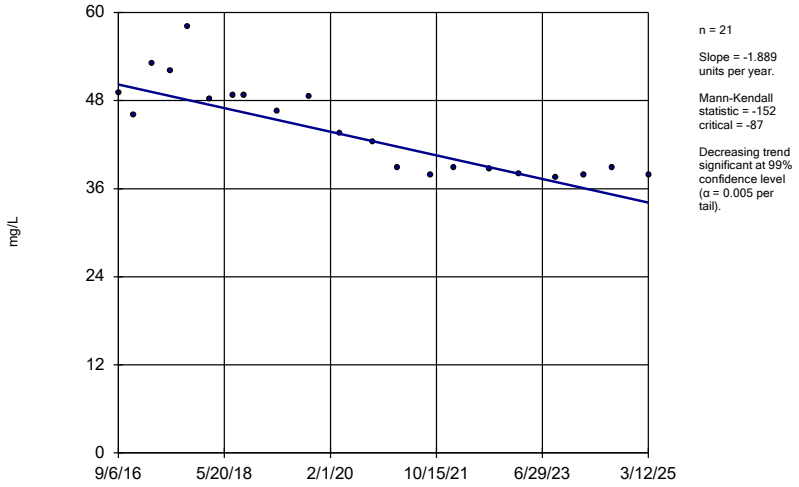
Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-16



n = 21

Slope = -1.889 units per year.

Mann-Kendall statistic = -152 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

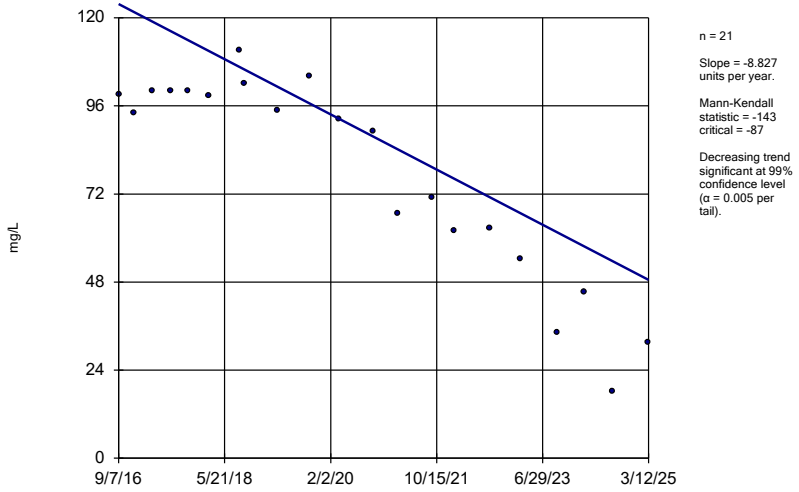
Constituent: Sulfate Analysis Run 5/8/2025 12:19 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-17



n = 21

Slope = -8.827 units per year.

Mann-Kendall statistic = -143 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

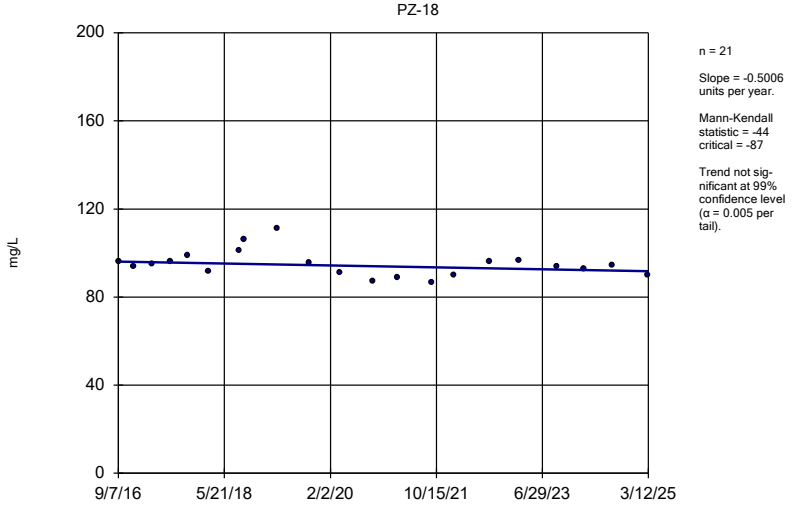
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-18



n = 21

Slope = -0.5006 units per year.

Mann-Kendall statistic = -44 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

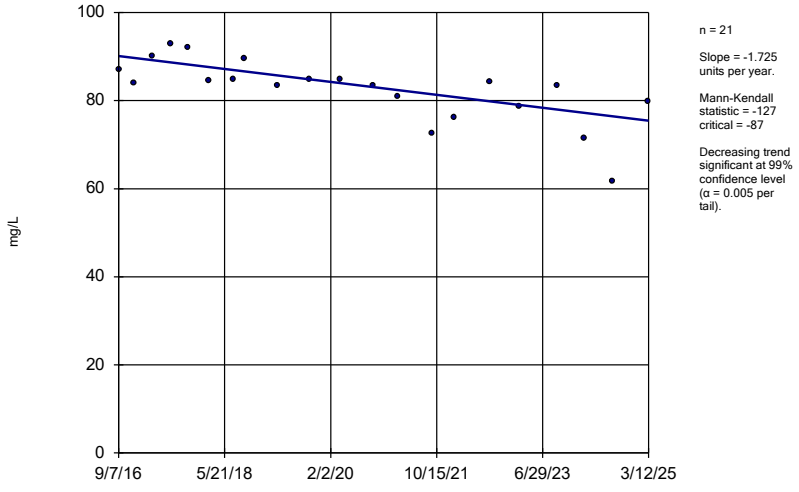
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-19



n = 21

Slope = -1.725 units per year.

Mann-Kendall statistic = -127 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

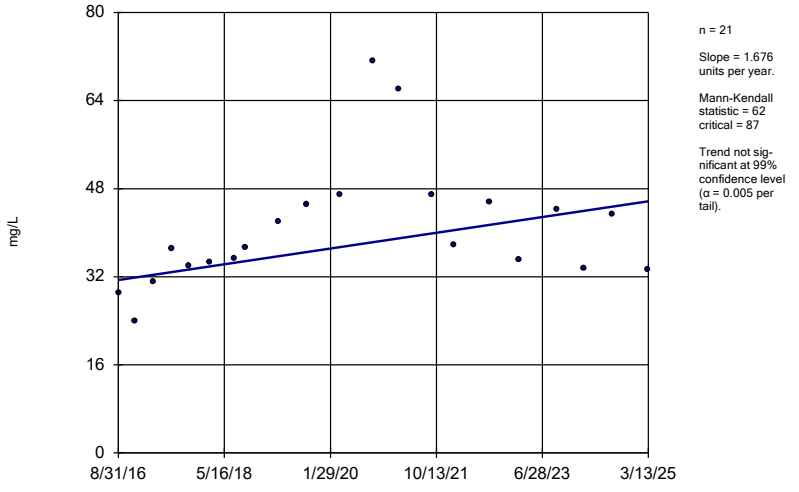
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-23A



n = 21

Slope = 1.676 units per year.

Mann-Kendall statistic = 62 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

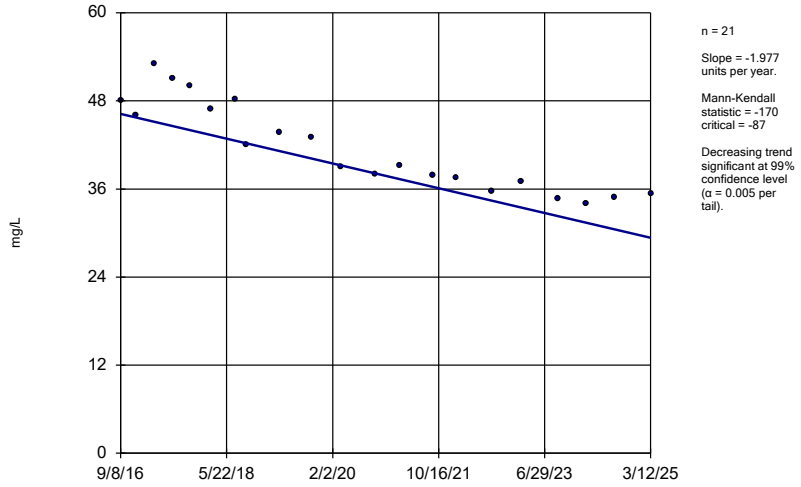
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-25



n = 21

Slope = -1.977 units per year.

Mann-Kendall statistic = -170 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

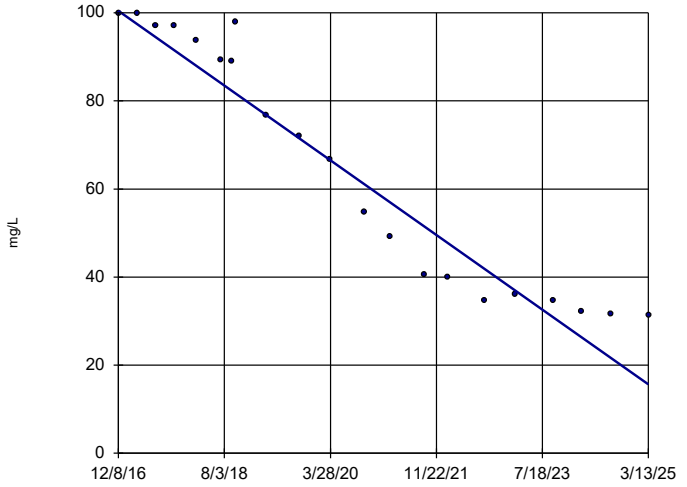
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-33



n = 21

Slope = -10.25 units per year.

Mann-Kendall statistic = -194 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

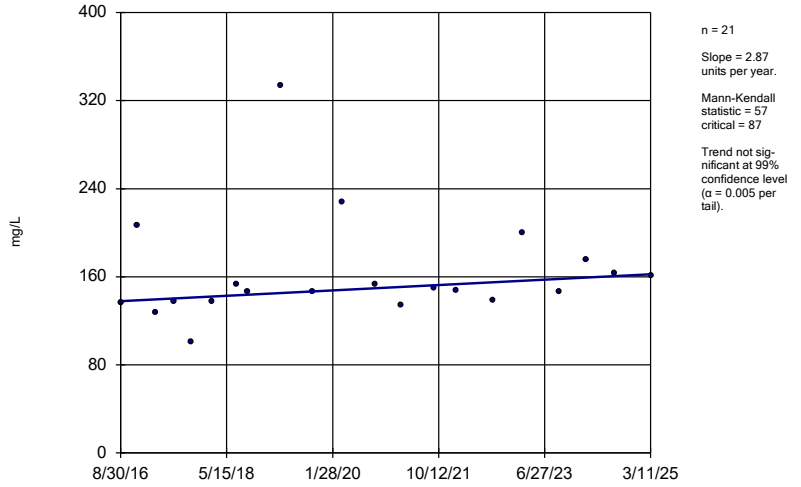
Constituent: Sulfate Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-1D (bg)



n = 21

Slope = 2.87 units per year.

Mann-Kendall statistic = 57 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

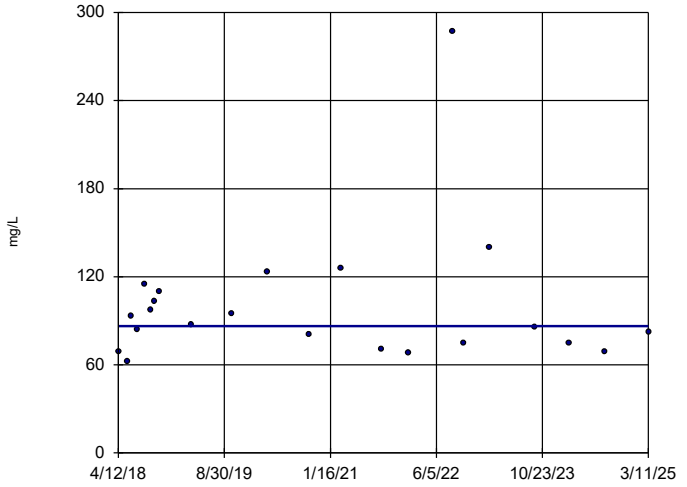
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-2D (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

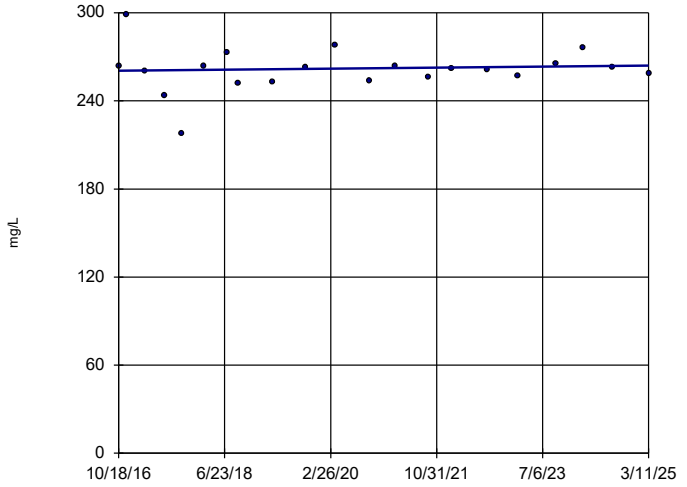
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-31 (bg)



n = 21

Slope = 0.4086 units per year.

Mann-Kendall statistic = 16
critical = 87

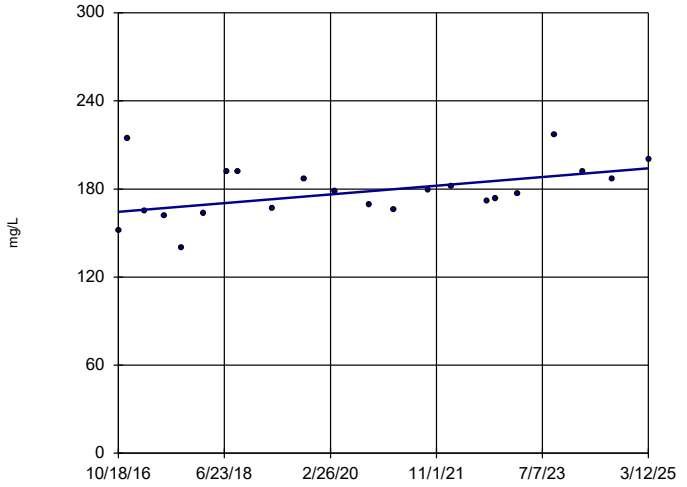
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-32 (bg)



n = 22

Slope = 3.51 units per year.

Mann-Kendall statistic = 85
critical = 92

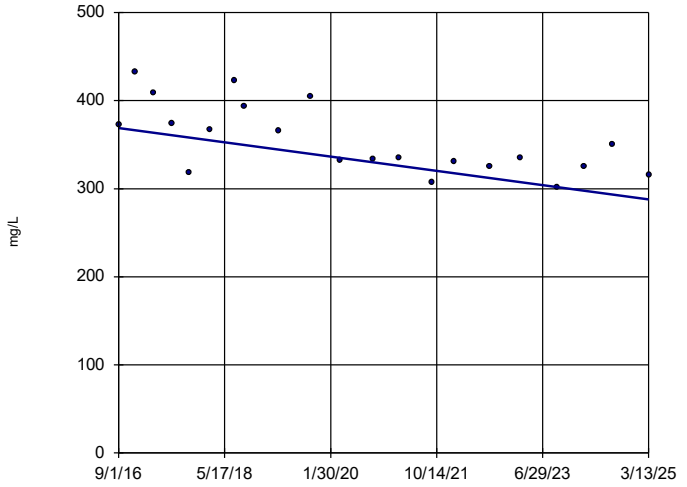
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-7D



n = 21

Slope = -9.482 units per year.

Mann-Kendall statistic = -106
critical = -87

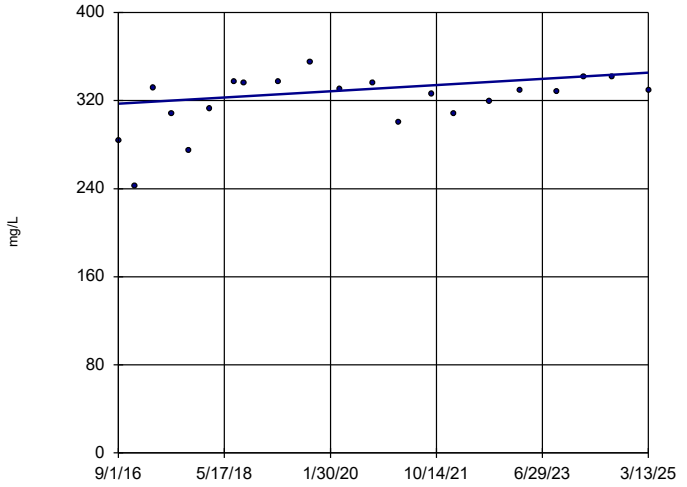
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-15



n = 21

Slope = 3.319 units per year.

Mann-Kendall statistic = 57
critical = 87

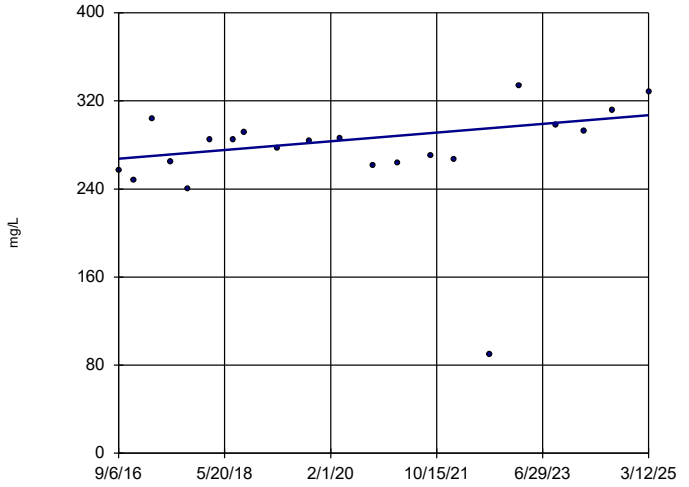
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-16



n = 21

Slope = 4.642 units per year.

Mann-Kendall statistic = 65 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

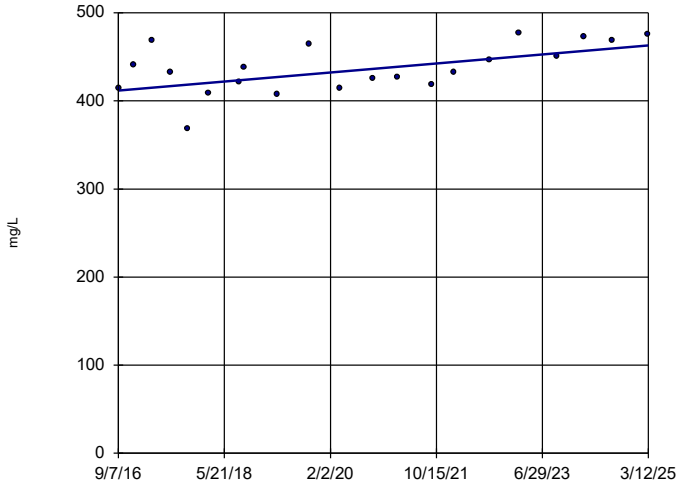
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-18



n = 21

Slope = 6.022 units per year.

Mann-Kendall statistic = 87 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

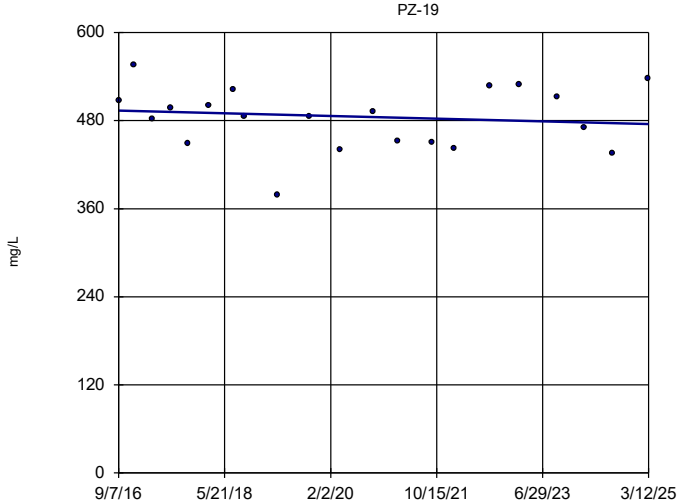
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-19



n = 21

Slope = -2.148 units per year.

Mann-Kendall statistic = -14 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

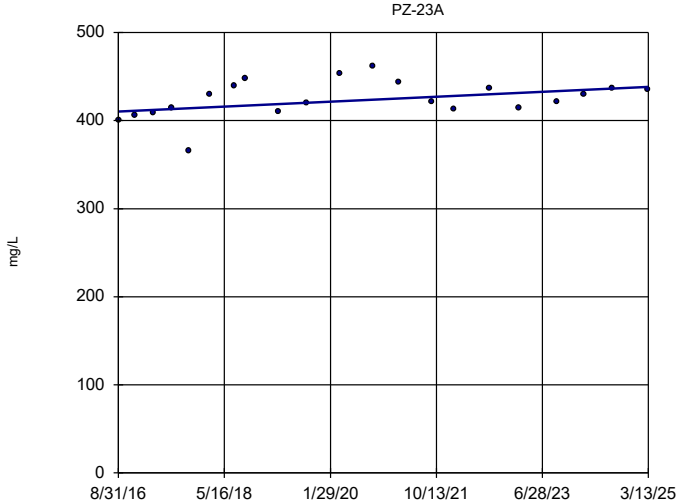
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-23A



n = 21

Slope = 3.258 units per year.

Mann-Kendall statistic = 69 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

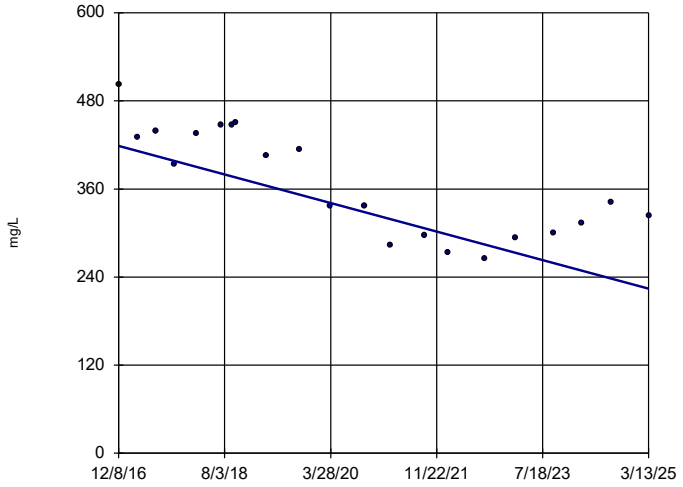
Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

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Sen's Slope Estimator

PZ-33



n = 21

Slope = -23.5 units per year.

Mann-Kendall statistic = -105 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/8/2025 12:20 PM View: Appendix III Trend Tests

Plant Mitchell Client: Southern Company Data: Mitchell AP

FIGURE G.

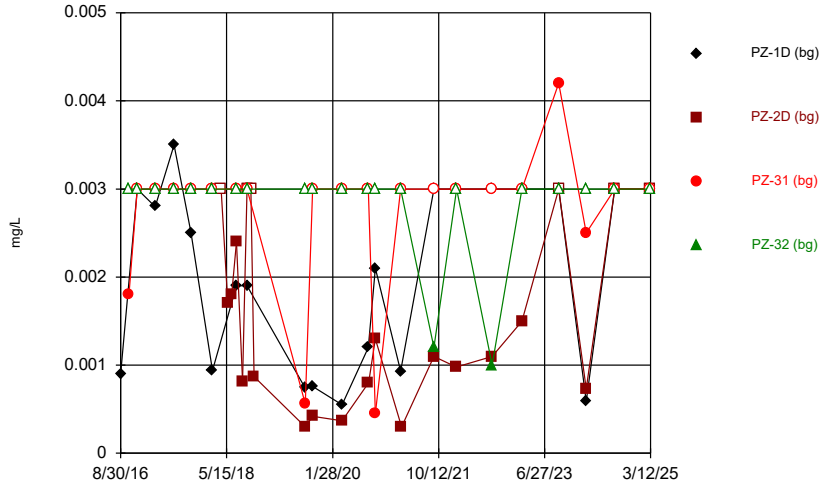
Upper Tolerance Limits Summary Table

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:41 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	88	n/a	n/a	57.95	n/a	n/a	0.01096	NP Inter(NDs)
Arsenic (mg/L)	0.005	80	n/a	n/a	87.5	n/a	n/a	0.01652	NP Inter(NDs)
Barium (mg/L)	0.04205	88	-4.487	0.677	1.136	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.0005	72	n/a	n/a	97.22	n/a	n/a	0.02489	NP Inter(NDs)
Cadmium (mg/L)	0.0005	72	n/a	n/a	98.61	n/a	n/a	0.02489	NP Inter(NDs)
Chromium (mg/L)	0.011	88	n/a	n/a	29.55	n/a	n/a	0.01096	NP Inter(normality)
Cobalt (mg/L)	0.005	88	n/a	n/a	96.59	n/a	n/a	0.01096	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.552	88	0.7089	0.2757	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.29	92	n/a	n/a	48.91	n/a	n/a	0.008924	NP Inter(normality)
Lead (mg/L)	0.001	88	n/a	n/a	82.95	n/a	n/a	0.01096	NP Inter(NDs)
Lithium (mg/L)	0.03	88	n/a	n/a	79.55	n/a	n/a	0.01096	NP Inter(NDs)
Mercury (mg/L)	0.0002	80	n/a	n/a	92.5	n/a	n/a	0.01652	NP Inter(NDs)
Molybdenum (mg/L)	0.01	88	n/a	n/a	78.41	n/a	n/a	0.01096	NP Inter(NDs)
Selenium (mg/L)	0.005	88	n/a	n/a	100	n/a	n/a	0.01096	NP Inter(NDs)
Thallium (mg/L)	0.001	88	n/a	n/a	90.91	n/a	n/a	0.01096	NP Inter(NDs)

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Hollow symbols indicate censored values.

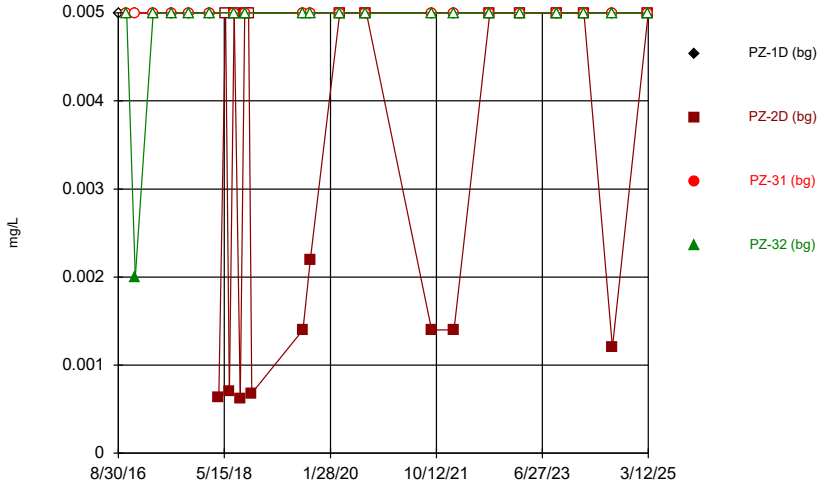
Time Series



Constituent: Antimony Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

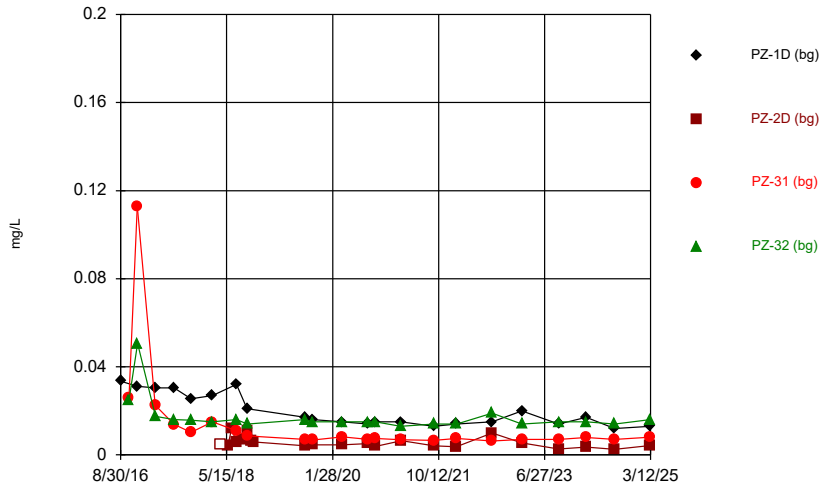
Time Series



Constituent: Arsenic Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

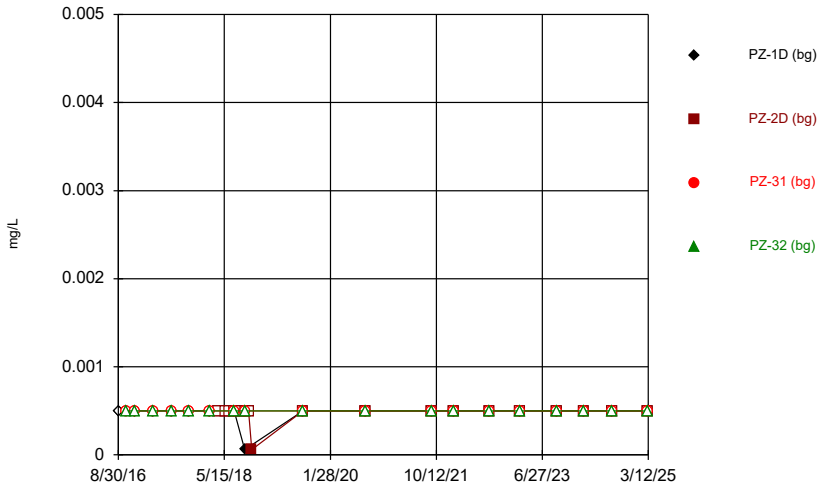
Time Series



Constituent: Barium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Hollow symbols indicate censored values.

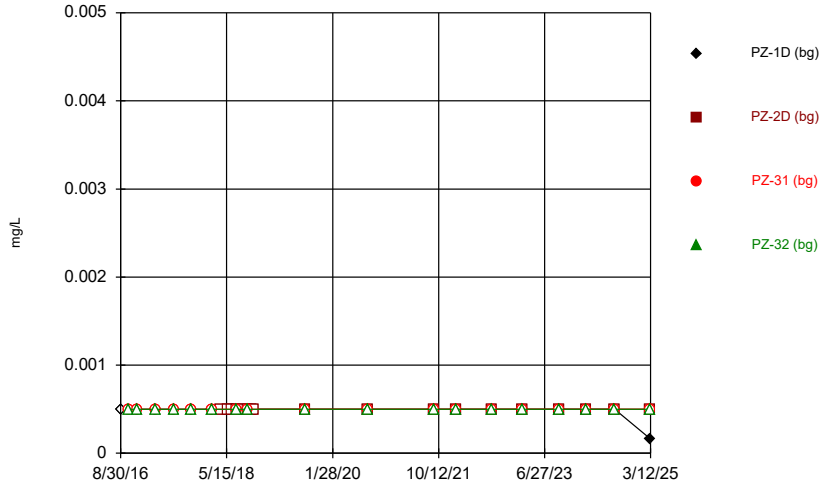
Time Series



Constituent: Beryllium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

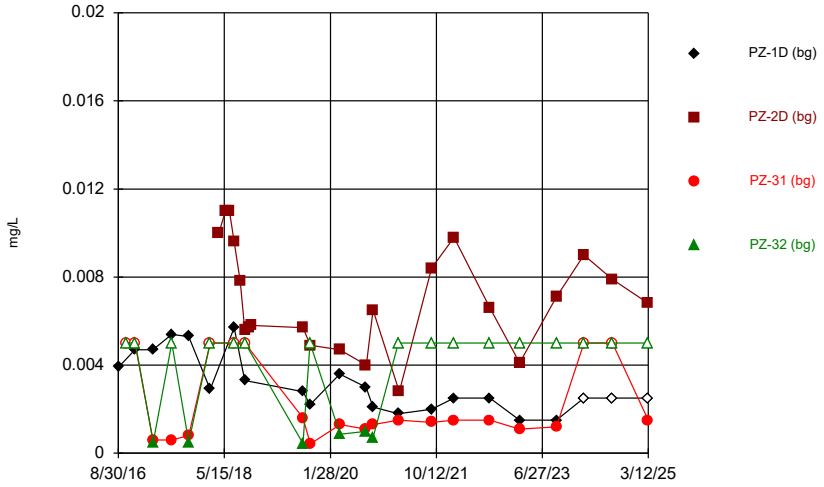
Time Series



Constituent: Cadmium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

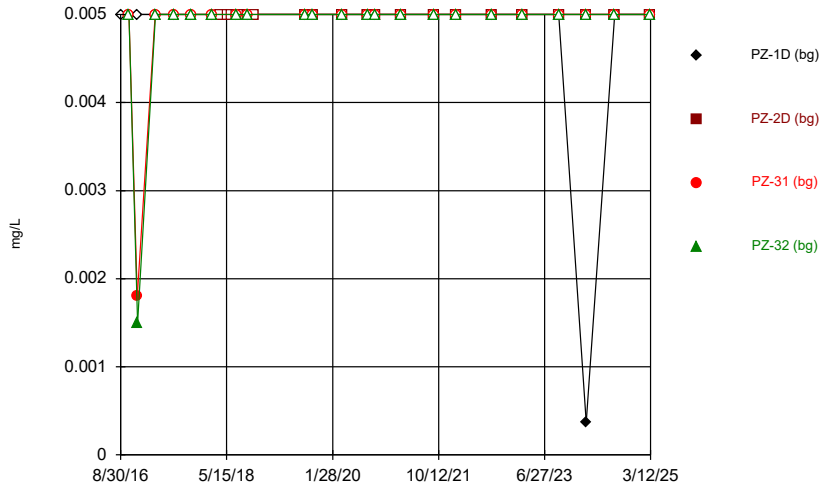
Time Series



Constituent: Chromium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

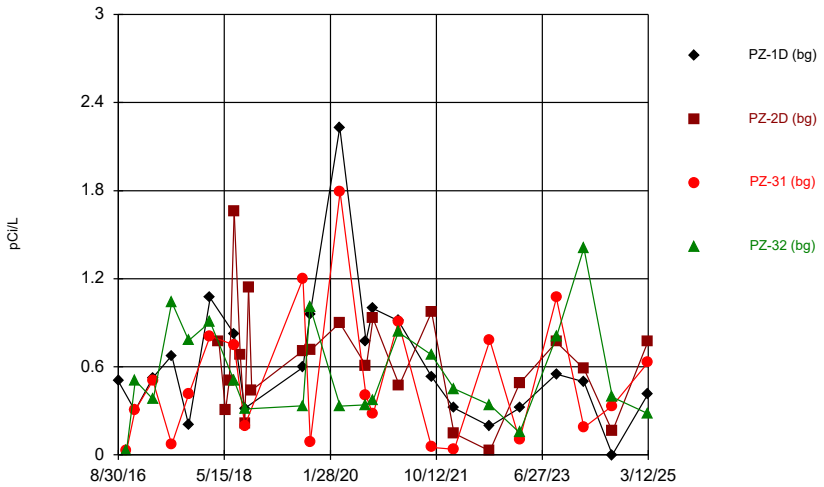
Time Series



Constituent: Cobalt Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

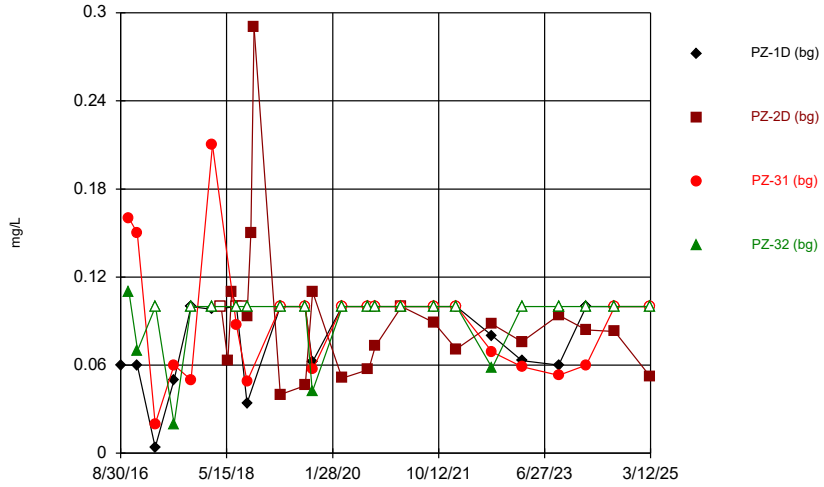
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

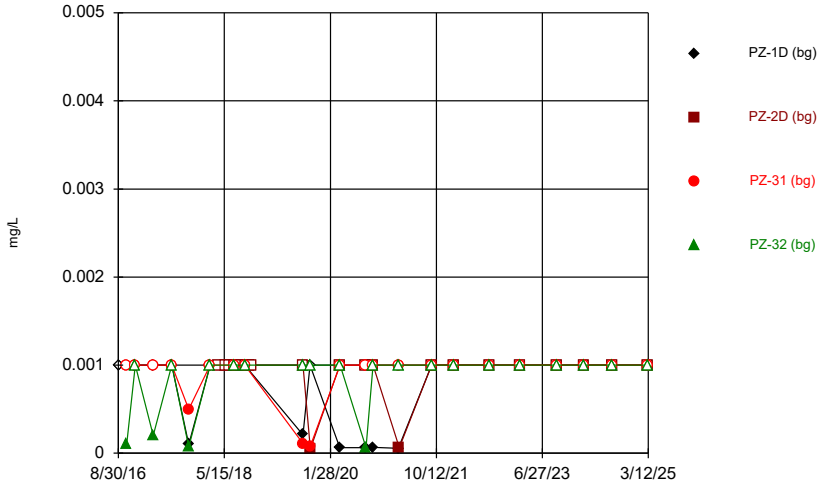
Time Series



Constituent: Fluoride Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

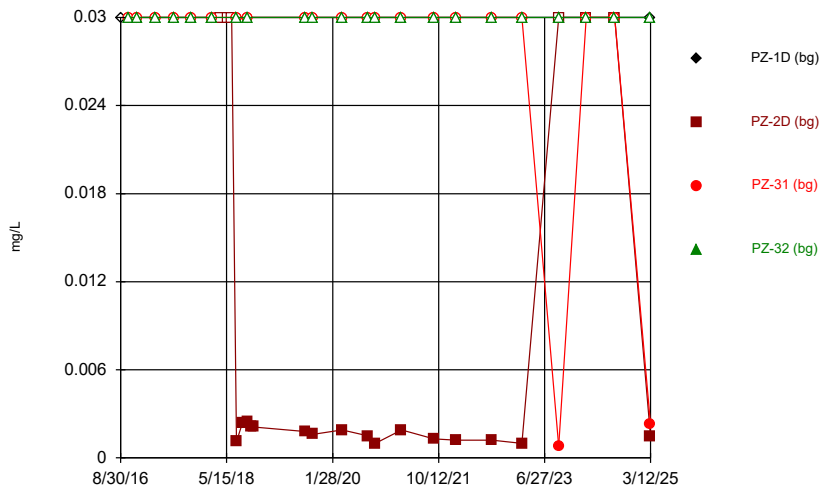
Time Series



Constituent: Lead Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

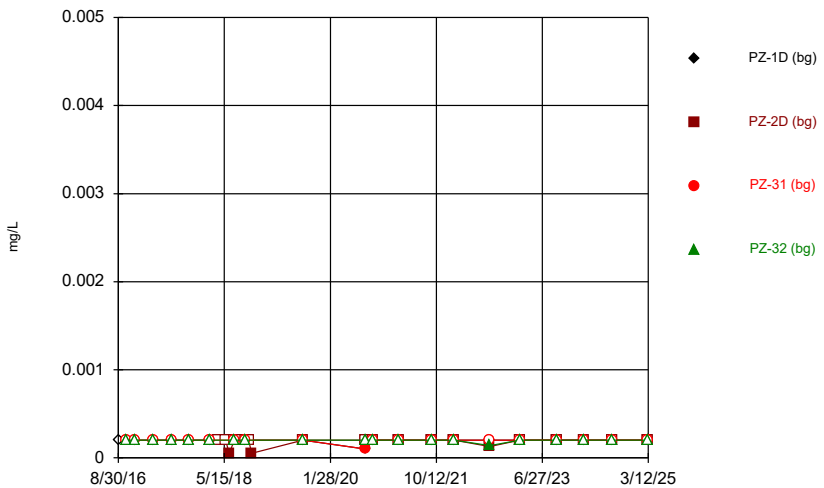
Time Series



Constituent: Lithium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

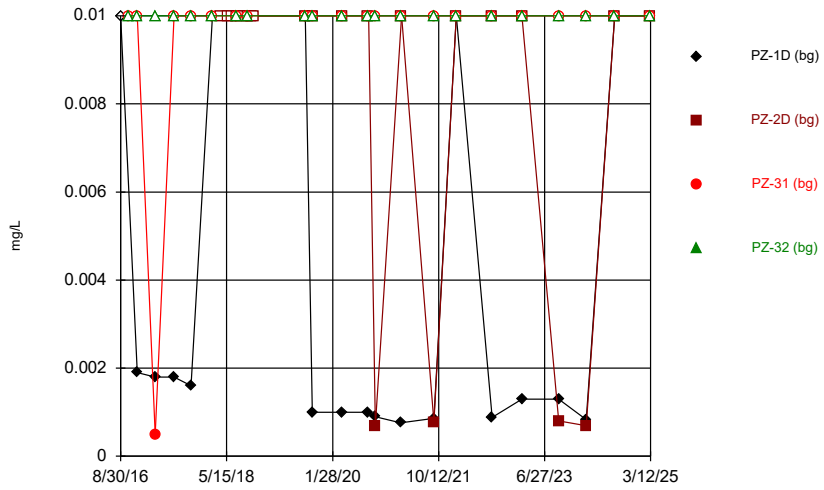
Time Series



Constituent: Mercury Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

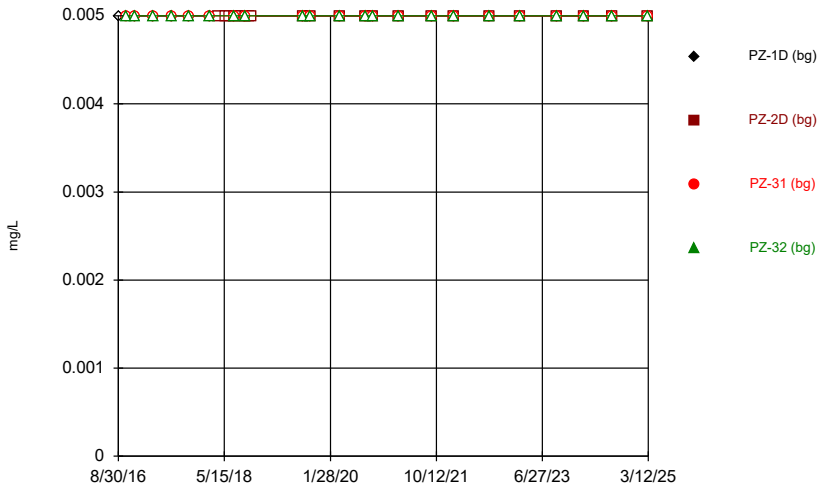
Time Series



Constituent: Molybdenum Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

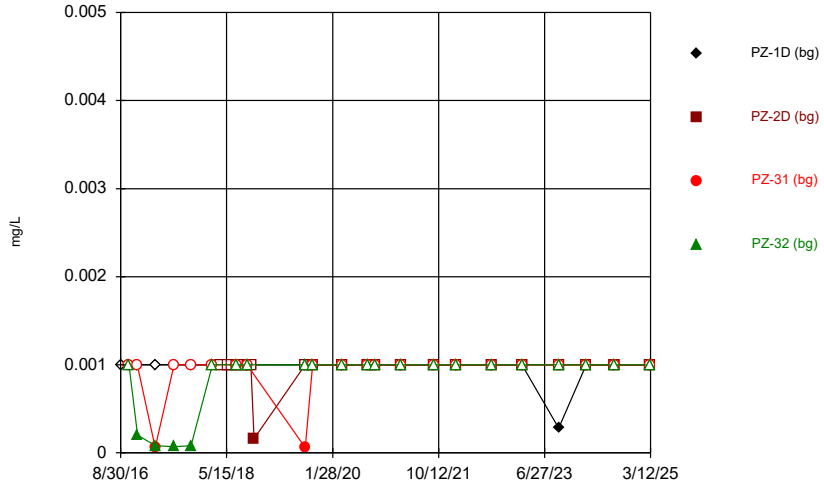
Time Series



Constituent: Selenium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

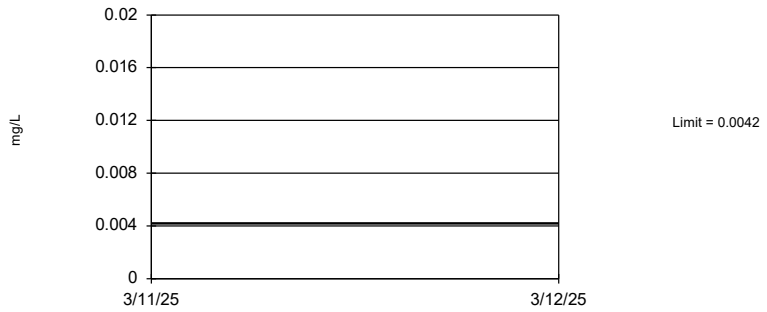


Constituent: Thallium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



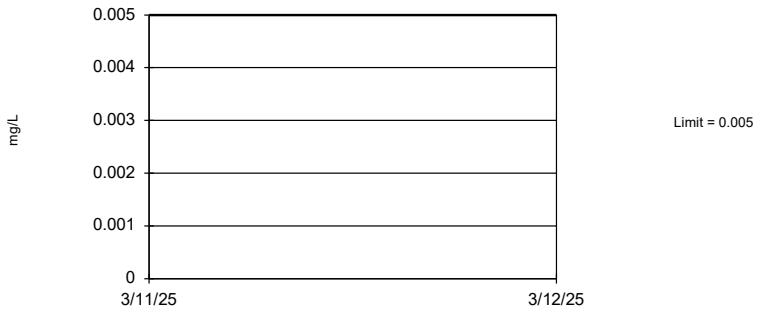
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 88 background values. 57.95% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Antimony Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



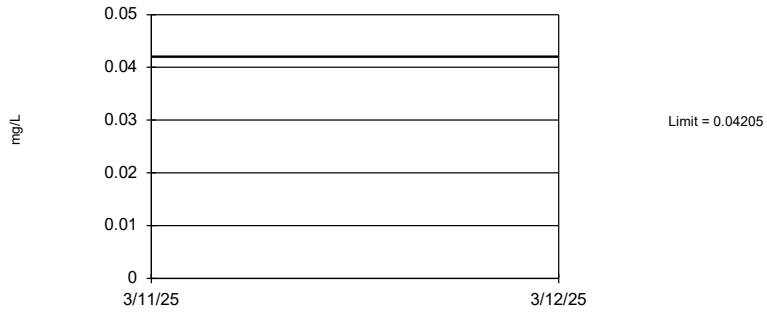
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 87.5% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Arsenic Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



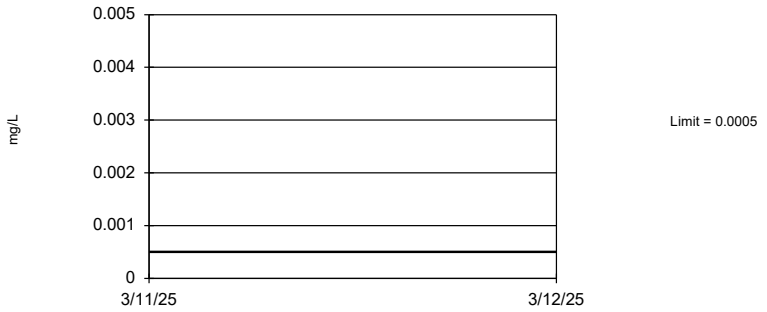
95% coverage. Background Data Summary (based on natural log transformation): Mean=-4.487, Std. Dev.=0.677, n=88, 1.136% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9624, critical = 0.961. Report alpha = 0.05.

Constituent: Barium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



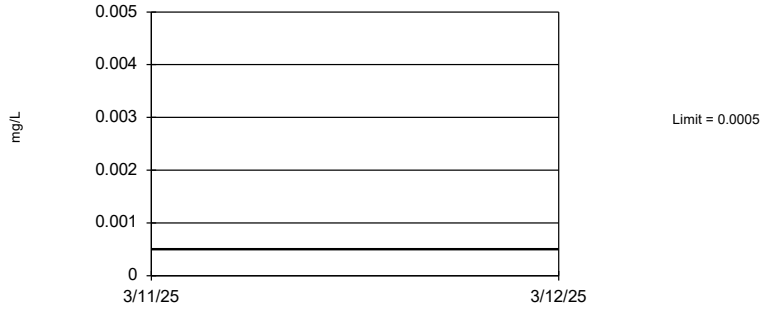
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 72 background values. 97.22% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02489.

Constituent: Beryllium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



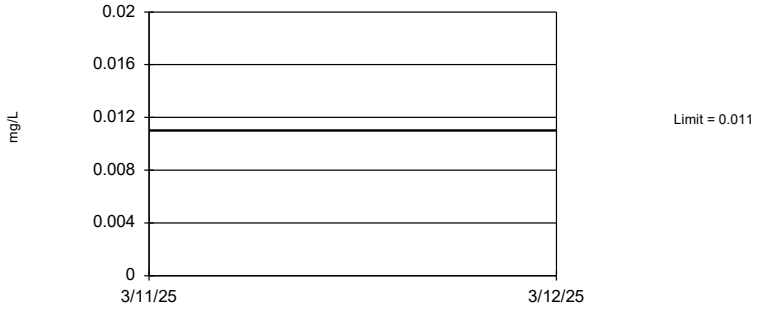
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 72 background values. 98.61% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02489.

Constituent: Cadmium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 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 88 background values. 29.55% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Chromium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



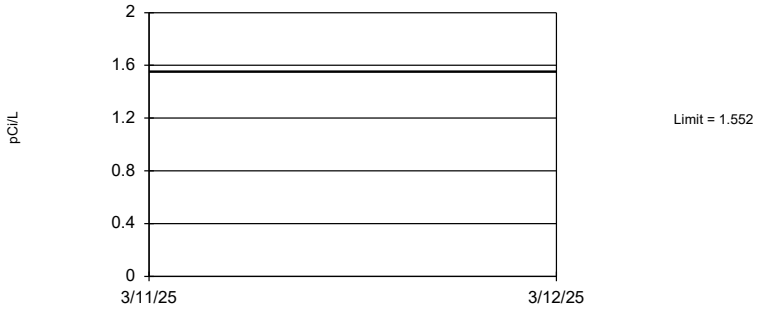
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 88 background values. 96.59% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Cobalt Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



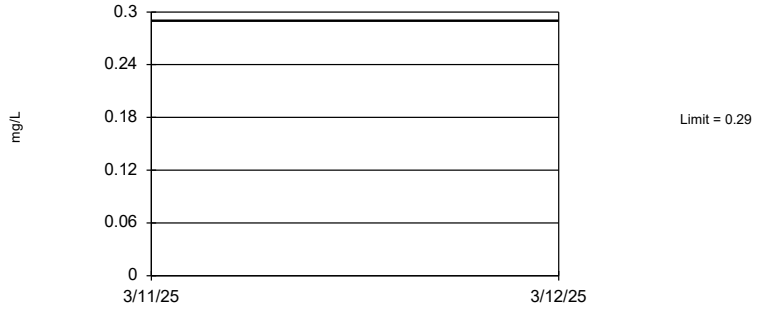
95% coverage. Background Data Summary (based on square root transformation): Mean=0.7089, Std. Dev.=0.2757, n=88. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9859, critical = 0.961. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



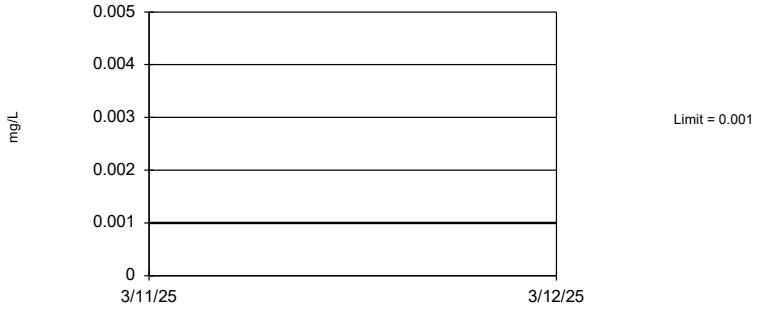
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 92 background values. 48.91% NDs. 95.12% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.008924.

Constituent: Fluoride Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 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 88 background values. 82.95% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Lead Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



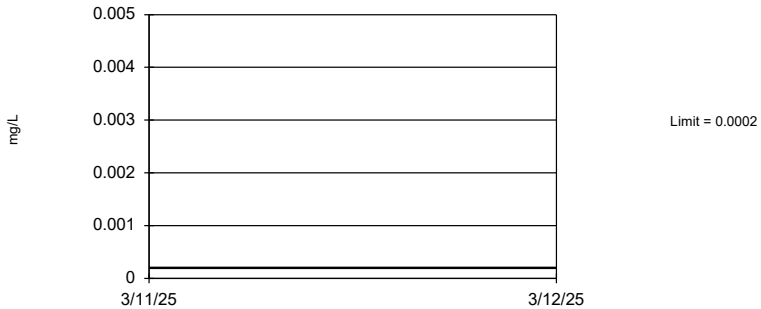
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 88 background values. 79.55% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Lithium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 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. 92.5% 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: Mercury Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 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 88 background values. 78.41% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Molybdenum Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



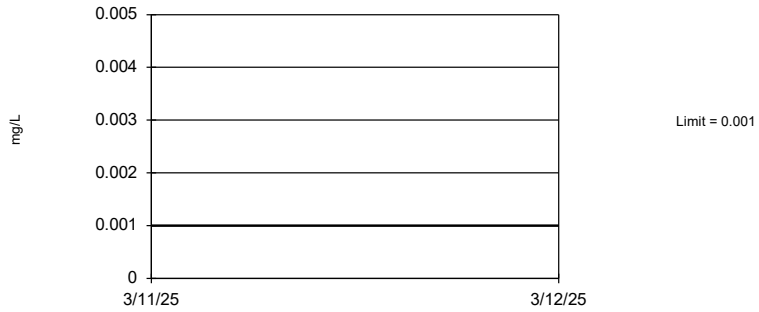
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Selenium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 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 88 background values. 90.91% NDs. 94.73% coverage at alpha=0.01; 96.68% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01096.

Constituent: Thallium Analysis Run 6/19/2025 3:40 PM View: UTLs
Plant Mitchell Client: Southern Company Data: Mitchell AP

FIGURE H.

PLANT MITCHELL ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.042	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.011	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.55	5
Fluoride, Total (mg/L)	4		0.29	4
Lead, Total (mg/L)	n/a	0.015	0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.01	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*

FIGURE I.

Appendix IV Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	PZ-7D	0.003	0.00089	0.006	No	22	0.002541	0.001001	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-14	0.003	0.0004	0.006	No	22	0.002763	0.0007665	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-15	0.003	0.001	0.006	No	22	0.002801	0.0006471	90.91	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-16	0.003	0.00037	0.006	No	22	0.00288	0.0005607	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-17	0.003	0.00094	0.006	No	22	0.002585	0.0009044	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-18	0.004	0.0018	0.006	No	22	0.002802	0.0007119	81.82	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-19	0.003	0.00044	0.006	No	22	0.002884	0.0005458	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-23A	0.003	0.0017	0.006	No	22	0.00271	0.000778	86.36	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-25	0.003	0.0014	0.006	No	22	0.002927	0.0003411	95.45	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-33	0.003	0.00082	0.006	No	22	0.002781	0.0007111	90.91	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-7D	0.005	0.0012	0.01	No	20	0.00481	0.0008497	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-14	0.005	0.00083	0.01	No	20	0.004791	0.0009324	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-15	0.005	0.0011	0.01	No	20	0.004379	0.001518	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-16	0.005	0.00036	0.01	No	20	0.004768	0.001038	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-17	0.005	0.00072	0.01	No	20	0.004356	0.001573	85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-19	0.005	0.0007	0.01	No	20	0.004785	0.0009615	95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-23A	0.005	0.00089	0.01	No	20	0.004562	0.001349	90	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-25	0.005	0.0017	0.01	No	20	0.004202	0.001649	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-33	0.005	0.0013	0.01	No	20	0.004397	0.001476	85	None	No	0.01	NP (NDs)
Barium (mg/L)	PZ-7D	0.008553	0.006501	2	No	22	0.007709	0.002182	0	None	ln(x)	0.01	Param.
Barium (mg/L)	PZ-14	0.02581	0.01534	2	No	22	0.02172	0.01233	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-15	0.059	0.048	2	No	22	0.05714	0.0135	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-16	0.043	0.034	2	No	22	0.041	0.01169	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-17	0.07587	0.06379	2	No	22	0.06983	0.01125	0	None	No	0.01	Param.
Barium (mg/L)	PZ-18	0.0273	0.023	2	No	22	0.02873	0.01147	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-19	0.05658	0.05132	2	No	22	0.05395	0.004905	0	None	No	0.01	Param.
Barium (mg/L)	PZ-23A	0.04585	0.03615	2	No	22	0.04146	0.009764	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	PZ-25	0.11	0.1	2	No	22	0.1058	0.008173	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-33	0.06855	0.04683	2	No	22	0.06068	0.02718	0	None	ln(x)	0.01	Param.
Cadmium (mg/L)	PZ-23A	0.0005	0.0002	0.005	No	18	0.0004667	0.00009701	88.89	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-33	0.0005	0.0001	0.005	No	18	0.0004778	0.00009428	94.44	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-7D	0.002036	0.0009522	0.1	No	22	0.003786	0.003551	22.73	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	PZ-14	0.005	0.0013	0.1	No	22	0.003154	0.001907	50	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-15	0.005	0.00048	0.1	No	22	0.004795	0.0009637	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-16	0.005	0.0011	0.1	No	22	0.003025	0.002029	50	None	No	0.01	NP (normality)
Chromium (mg/L)	PZ-18	0.005	0.00081	0.1	No	22	0.004608	0.00127	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-19	0.005	0.00073	0.1	No	22	0.004806	0.0009104	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	PZ-23A	0.00216	0.001388	0.1	No	22	0.0026	0.001353	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	PZ-33	0.005	0.0017	0.1	No	22	0.00485	0.0007036	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-14	0.005	0.002	0.006	No	22	0.00465	0.001163	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-15	0.005	0.0012	0.006	No	22	0.004	0.001893	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-16	0.005	0.0005	0.006	No	22	0.004795	0.0009594	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-17	0.005	0.0011	0.006	No	22	0.003801	0.002008	72.73	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-18	0.005	0.0011	0.006	No	22	0.004823	0.0008315	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-19	0.005	0.0012	0.006	No	22	0.004641	0.001163	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-23A	0.005	0.0008	0.006	No	22	0.003993	0.001903	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-25	0.00177	0.001225	0.006	No	22	0.001498	0.0005077	9.091	None	No	0.01	Param.
Cobalt (mg/L)	PZ-33	0.005	0.0041	0.006	No	22	0.003992	0.001816	72.73	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	PZ-7D	0.6345	0.3155	5	No	22	0.475	0.2972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-14	0.8115	0.3312	5	No	22	0.6326	0.5082	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-15	1.036	0.733	5	No	22	0.921	0.3541	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-16	0.7947	0.4595	5	No	22	0.6271	0.3123	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17	1.031	0.6142	5	No	22	0.8226	0.3883	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-18	0.9633	0.4529	5	No	22	0.7081	0.4754	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-19	1.211	0.7338	5	No	22	0.9723	0.4442	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-23A	1.189	0.6375	5	No	22	0.9135	0.5141	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-25	1.095	0.7172	5	No	22	0.9063	0.3523	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-33	0.8971	0.5447	5	No	22	0.7209	0.3283	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-7D	0.1	0.09	4	No	23	0.08922	0.02802	69.57	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-14	0.11	0.07	4	No	23	0.09161	0.02207	69.57	None	No	0.01	NP (NDs)

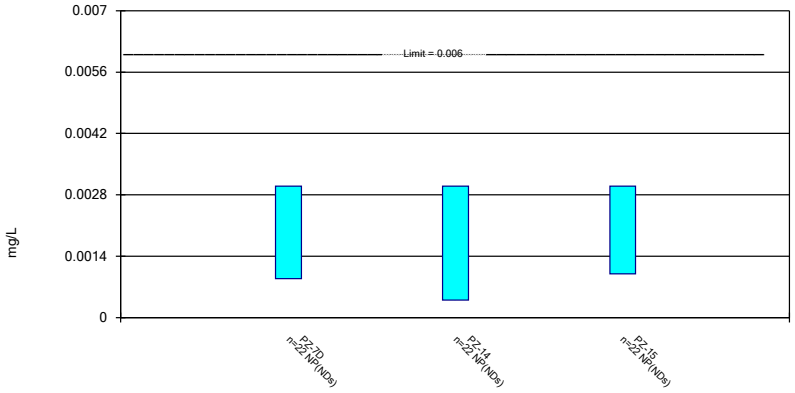
Appendix IV Confidence Intervals - All Results (No Significant)

Plant Mitchell Client: Southern Company Data: Mitchell AP Printed 6/19/2025, 3:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-15	0.101	0.06295	4	No	23	0.09822	0.0426	34.78	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	PZ-16	0.1	0.058	4	No	23	0.08583	0.02282	65.22	None	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-17	0.1101	0.06103	4	No	23	0.1102	0.05644	34.78	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-18	0.12	0.086	4	No	23	0.09961	0.02973	65.22	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	PZ-19	0.14	0.065	4	No	23	0.105	0.06778	8.696	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-23A	0.1	0.066	4	No	23	0.09574	0.05023	43.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-25	0.2051	0.141	4	No	23	0.1783	0.0686	0	None	x^(1/3)	0.01	Param.
Fluoride (mg/L)	PZ-33	0.15	0.082	4	No	23	0.1007	0.03693	56.52	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-7D	0.001	0.000041	0.015	No	22	0.0009564	0.0002045	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-14	0.001	0.000064	0.015	No	22	0.0009575	0.0001996	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-15	0.001	0.00005	0.015	No	22	0.0009568	0.0002025	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-16	0.001	0.000081	0.015	No	22	0.0009582	0.0001959	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-18	0.001	0.00043	0.015	No	22	0.0009305	0.0002326	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-19	0.001	0.000042	0.015	No	22	0.0009565	0.0002042	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-23A	0.001	0.00015	0.015	No	22	0.0008752	0.0003219	86.36	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-25	0.001	0.00041	0.015	No	22	0.0009732	0.0001258	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-33	0.001	0.00009	0.015	No	22	0.0009153	0.0002742	90.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-7D	0.0033	0.0023	0.04	No	22	0.008384	0.02605	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-14	0.03	0.003	0.04	No	22	0.02746	0.008226	90.91	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-15	0.03	0.00121	0.04	No	22	0.01041	0.0137	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-16	0.03	0.0013	0.04	No	22	0.0287	0.006119	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-17	0.0029	0.002	0.04	No	22	0.007219	0.011	18.18	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-18	0.0033	0.0026	0.04	No	22	0.005068	0.006515	9.091	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-19	0.01408	0.01116	0.04	No	22	0.01262	0.002723	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-23A	0.03	0.001	0.04	No	22	0.02076	0.01384	68.18	None	No	0.01	NP (NDs)
Lithium (mg/L)	PZ-25	0.006945	0.005787	0.04	No	22	0.006366	0.001078	0	None	No	0.01	Param.
Mercury (mg/L)	PZ-7D	0.0002	0.00006	0.002	No	20	0.0001856	0.00004418	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-14	0.0002	0.00015	0.002	No	20	0.000191	0.00003059	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-15	0.0002	0.000097	0.002	No	20	0.0001948	0.00002303	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-16	0.0002	0.000068	0.002	No	20	0.0001934	0.00002952	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-17	0.0002	0.000086	0.002	No	20	0.0001943	0.00002549	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-18	0.0002	0.000057	0.002	No	20	0.0001928	0.00003198	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-19	0.0002	0.0001	0.002	No	20	0.0001872	0.00004025	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-23A	0.0002	0.00017	0.002	No	20	0.000193	0.00002515	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-25	0.0002	0.00018	0.002	No	21	0.000192	0.00003216	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-33	0.0002	0.00011	0.002	No	20	0.0001797	0.00005119	85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-14	0.01	0.0005	0.1	No	22	0.009568	0.002025	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-15	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-16	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-17	0.01	0.0004	0.1	No	22	0.009564	0.002047	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-19	0.0024	0.002	0.1	No	22	0.002382	0.0008835	9.091	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-23A	0.01	0.0011	0.1	No	22	0.009168	0.002693	90.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-25	0.01	0.0014	0.1	No	22	0.0092	0.00259	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-7D	0.005	0.0018	0.05	No	22	0.003636	0.001684	59.09	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-14	0.005	0.0015	0.05	No	22	0.004668	0.001075	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-15	0.005	0.0018	0.05	No	22	0.004855	0.0006822	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-18	0.005	0.0014	0.05	No	22	0.004836	0.0007675	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-19	0.01	0.0031	0.05	No	22	0.005655	0.003487	36.36	None	No	0.01	NP (normality)
Selenium (mg/L)	PZ-23A	0.01	0.0019	0.05	No	22	0.004655	0.003756	31.82	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-7D	0.001	0.0002	0.002	No	22	0.0007568	0.0004072	72.73	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-14	0.001	0.00006	0.002	No	22	0.0009573	0.0002004	95.45	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-15	0.001	0.00022	0.002	No	22	0.0007468	0.00038	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-16	0.001	0.0002	0.002	No	22	0.00073	0.0004061	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-17	0.001	0.00025	0.002	No	22	0.0006118	0.0003682	45.45	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-18	0.001	0.000071	0.002	No	22	0.0008287	0.000372	81.82	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-19	0.0006299	0.0004864	0.002	No	22	0.0005582	0.0001337	4.545	None	No	0.01	Param.
Thallium (mg/L)	PZ-23A	0.001	0.00018	0.002	No	22	0.0006309	0.0004155	54.55	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-25	0.001	0.00039	0.002	No	22	0.0006755	0.0002867	36.36	None	No	0.01	NP (normality)
Thallium (mg/L)	PZ-33	0.001	0.00018	0.002	No	22	0.0007636	0.0003955	72.73	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

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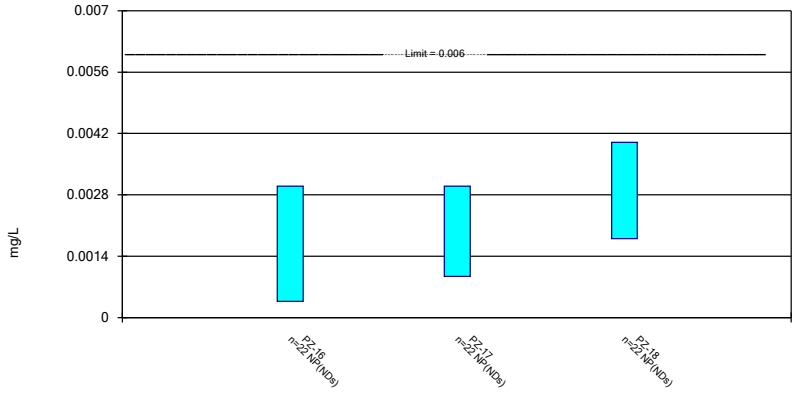


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

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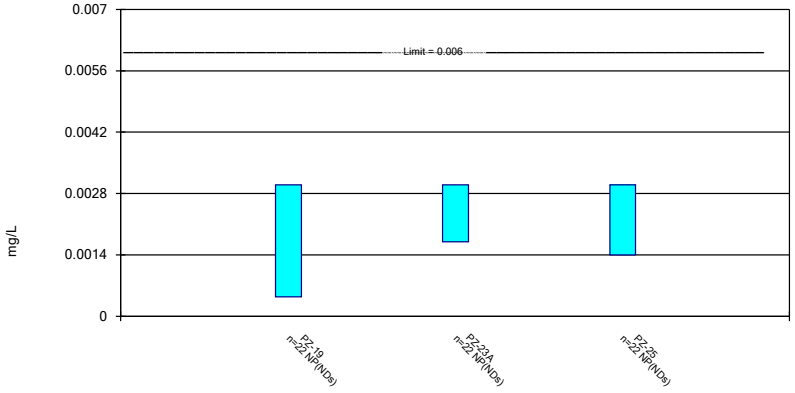


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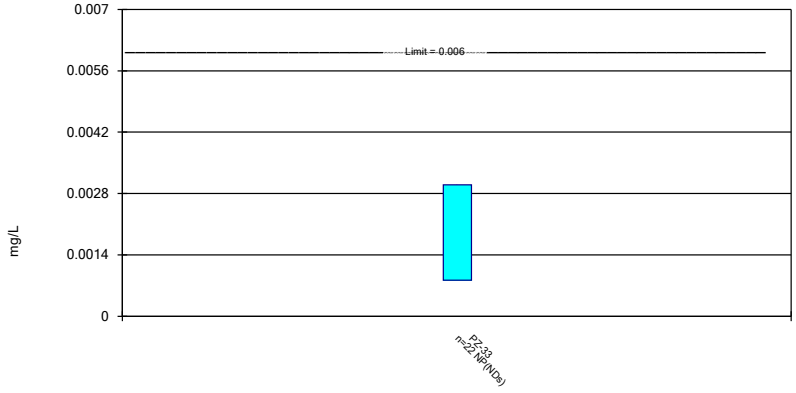


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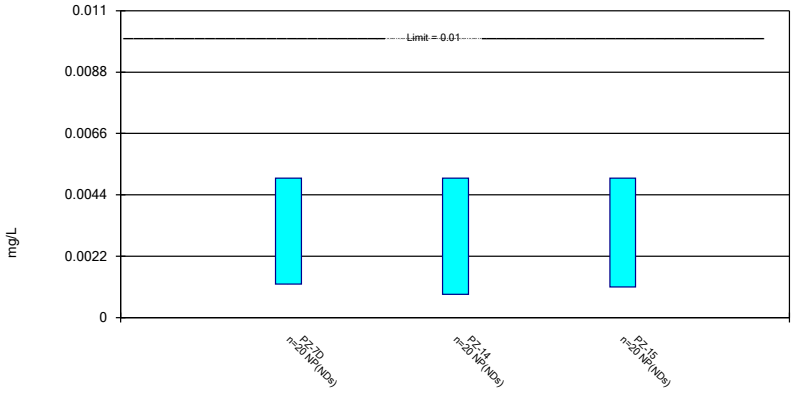


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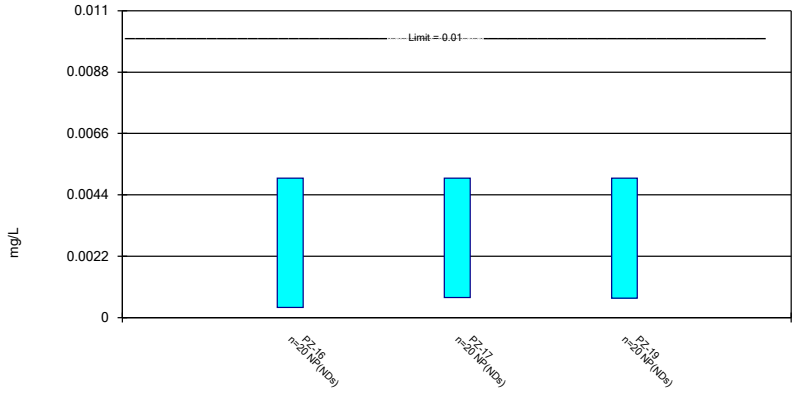


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Non-Parametric Confidence Interval

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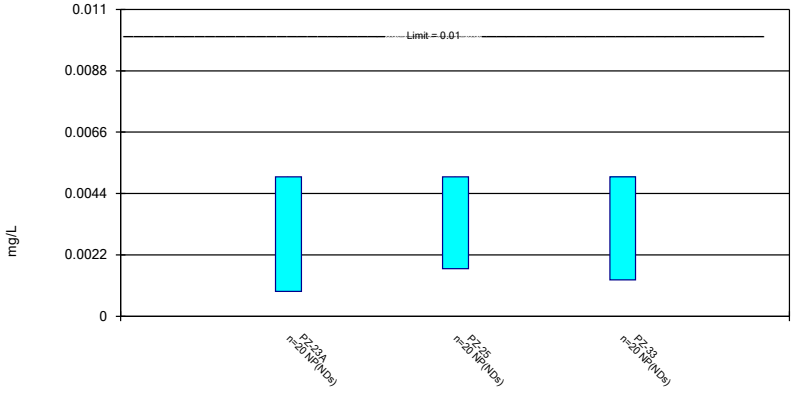


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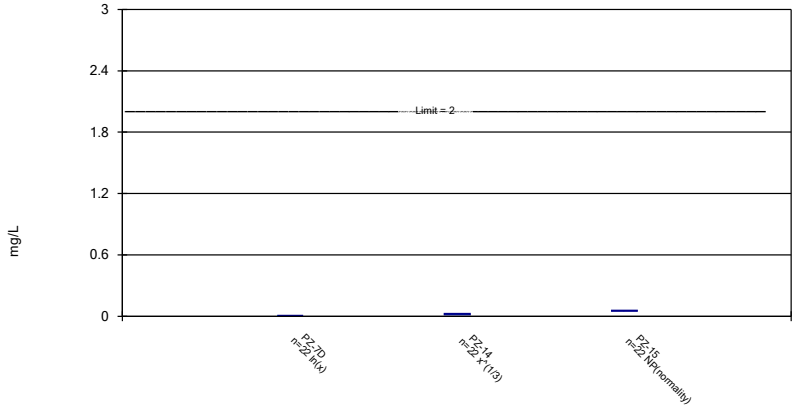


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Parametric and Non-Parametric (NP) Confidence Interval

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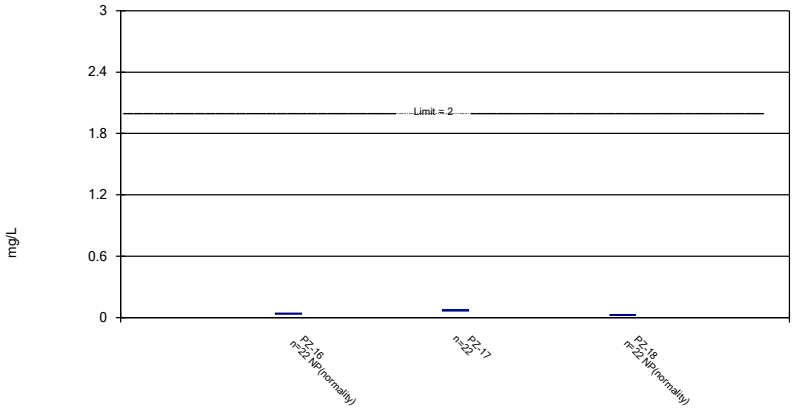


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric and Non-Parametric (NP) Confidence Interval

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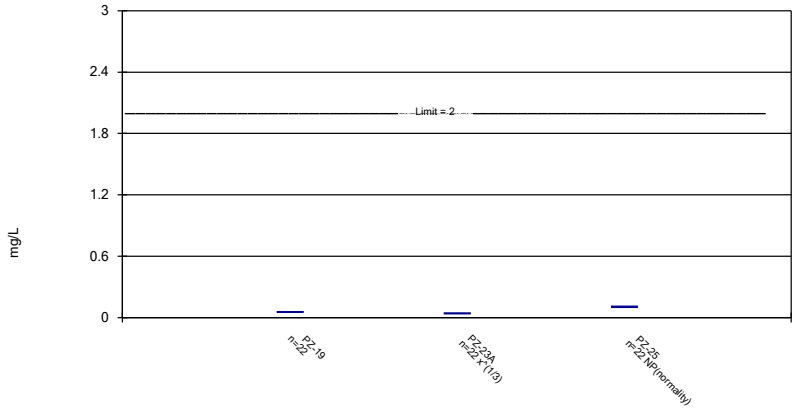


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric and Non-Parametric (NP) Confidence Interval

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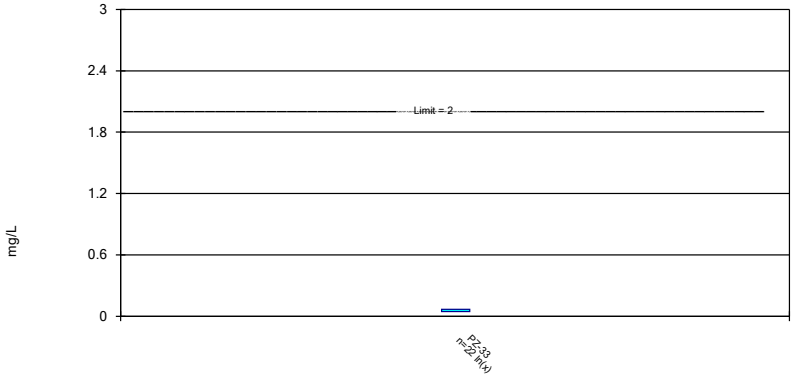


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Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric Confidence Interval

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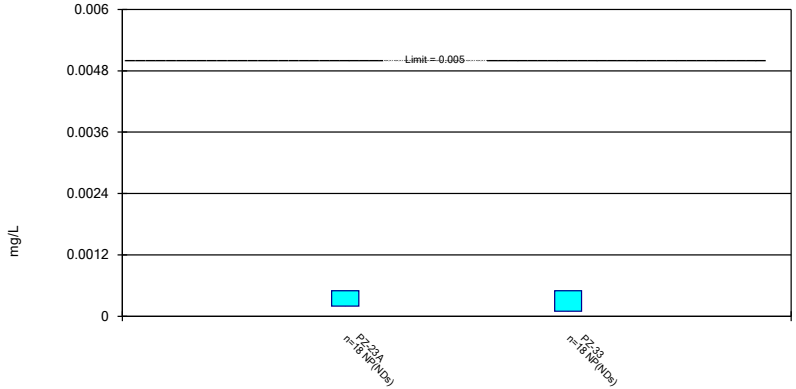


Constituent: Barium Analysis Run 6/19/2025 3:43 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

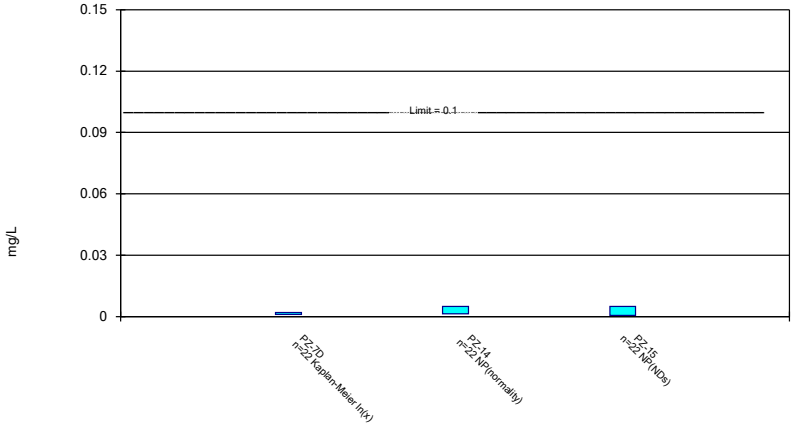


Constituent: Cadmium Analysis Run 6/19/2025 3:43 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

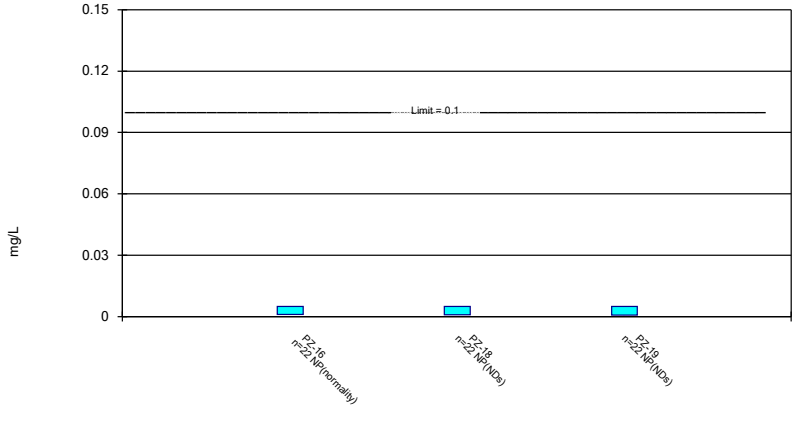


Constituent: Chromium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

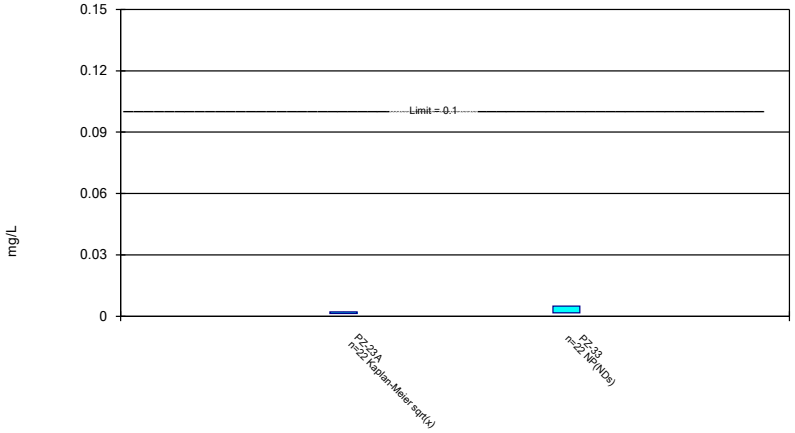


Constituent: Chromium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

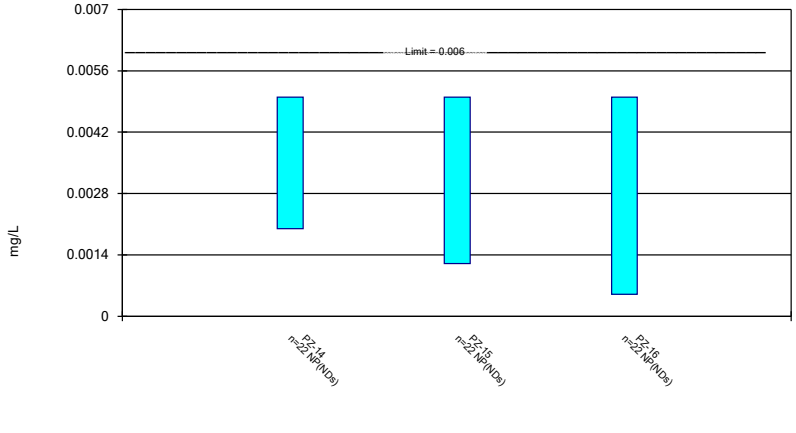


Constituent: Chromium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

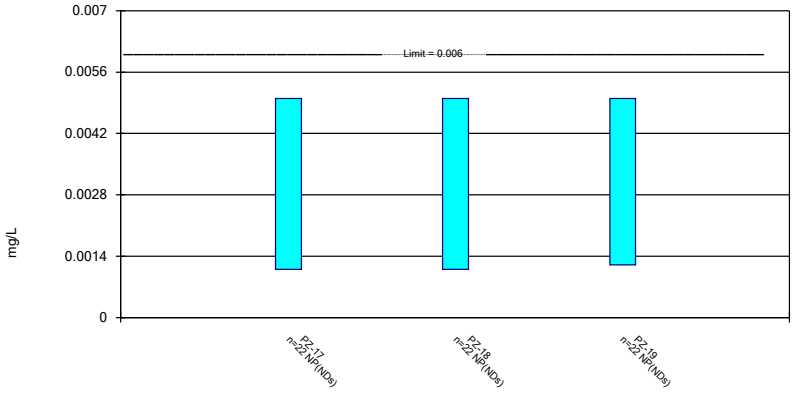


Constituent: Cobalt Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

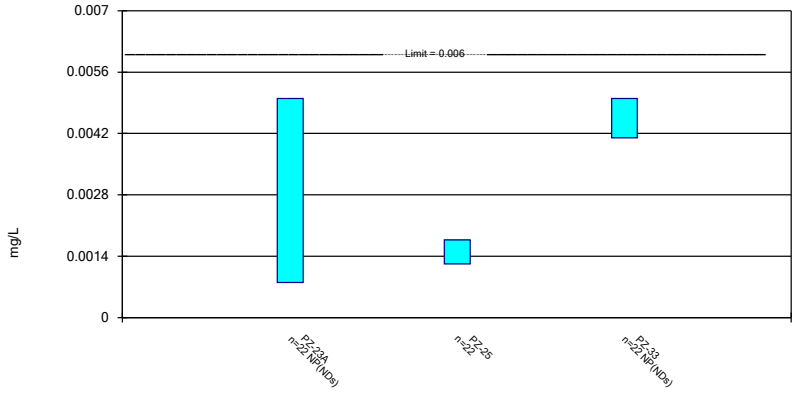


Constituent: Cobalt Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

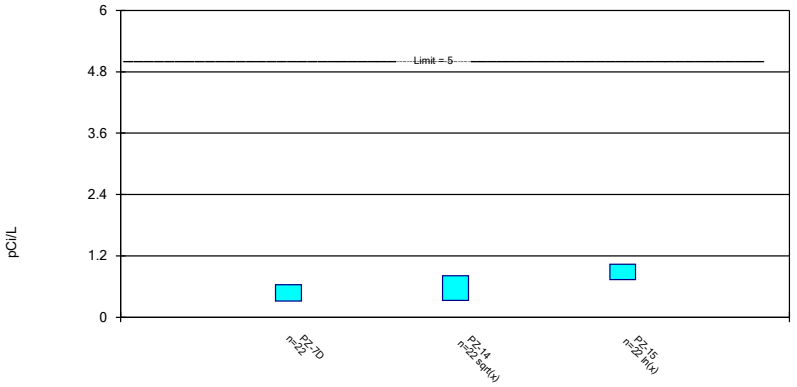


Constituent: Cobalt Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

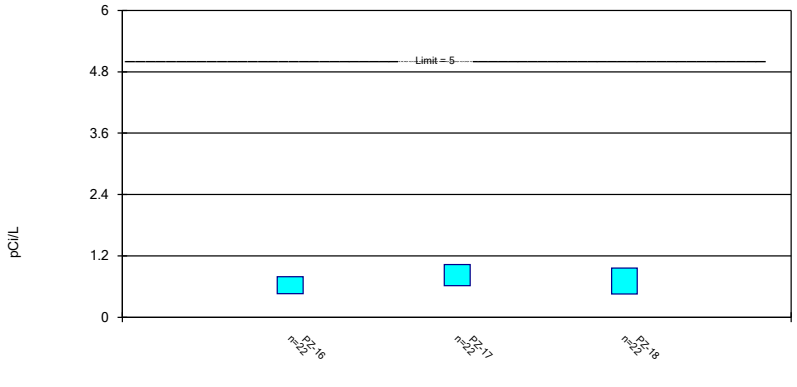


Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

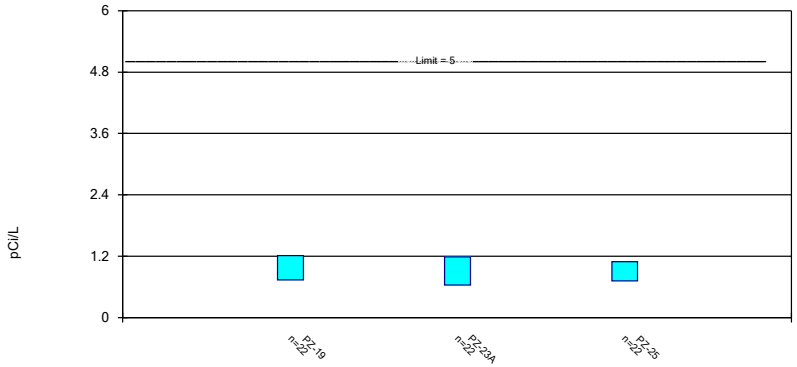


Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

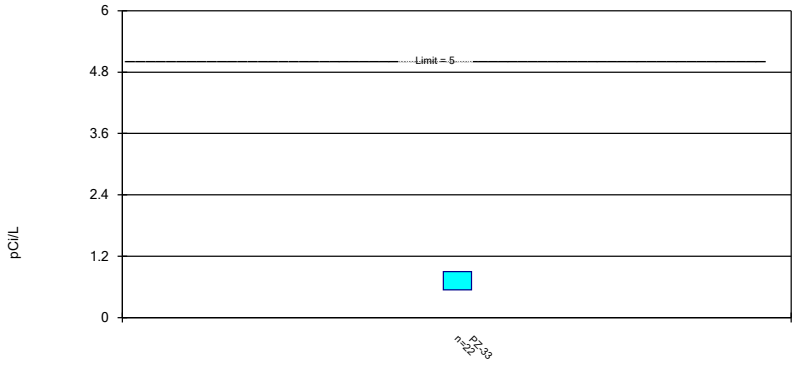


Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

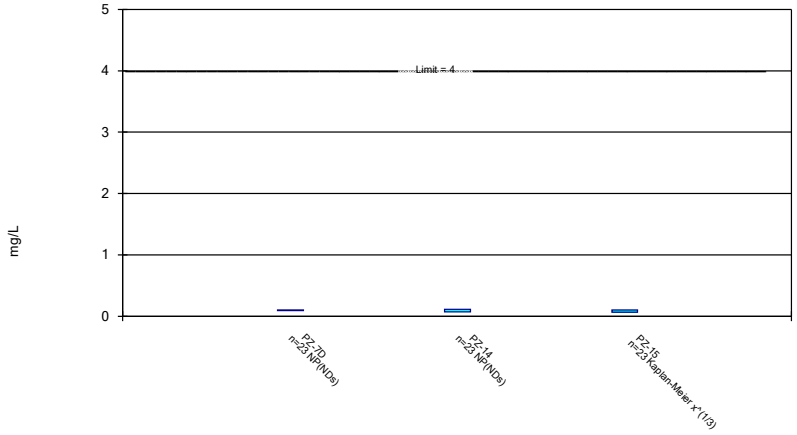


Constituent: Combined Radium 226 + 228 Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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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.

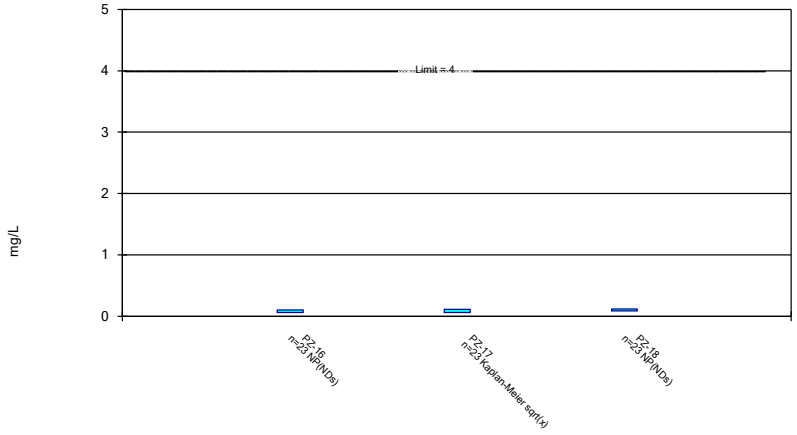


Constituent: Fluoride Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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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.

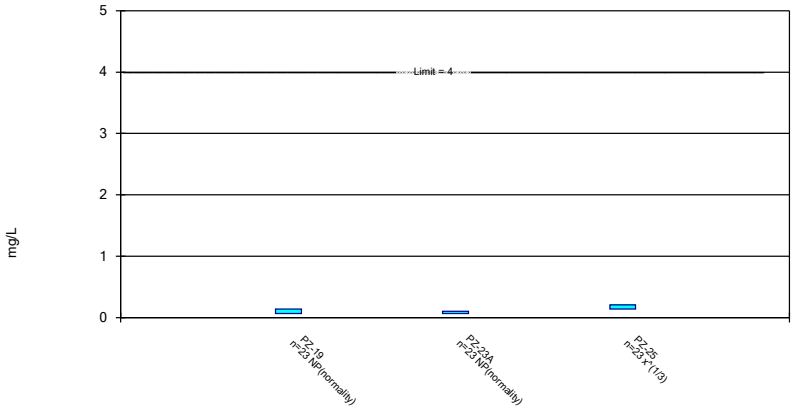


Constituent: Fluoride Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

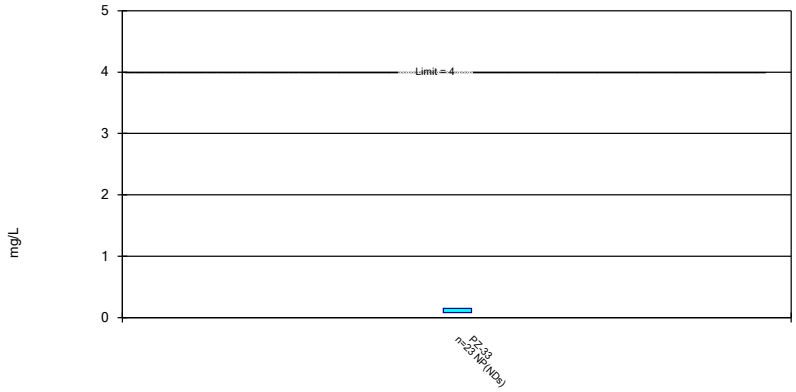


Constituent: Fluoride Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

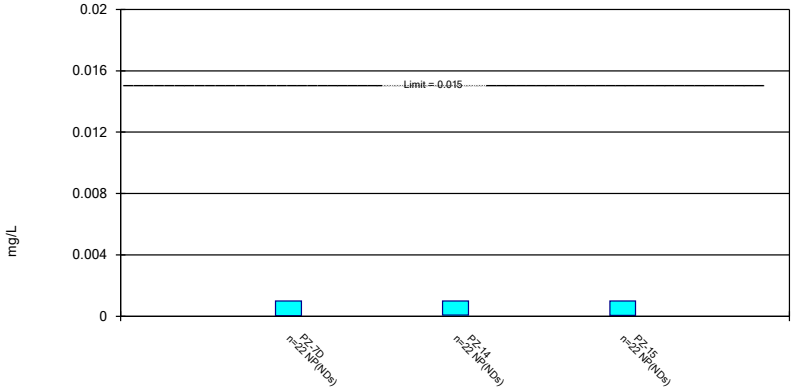


Constituent: Fluoride Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

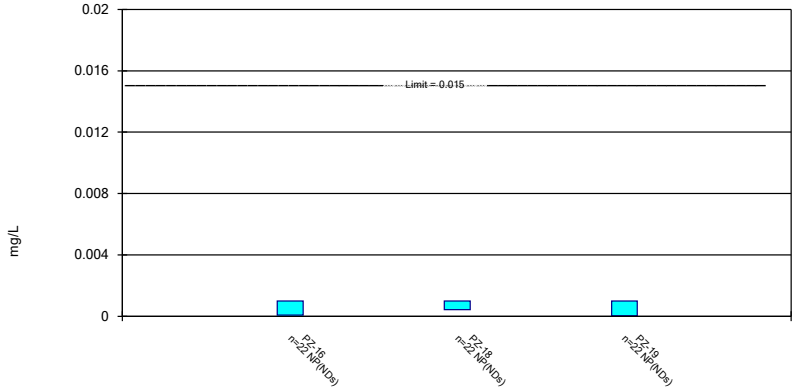


Constituent: Lead Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

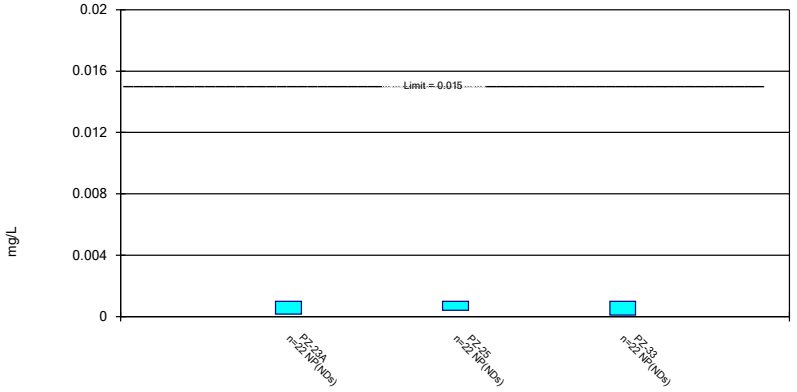


Constituent: Lead Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

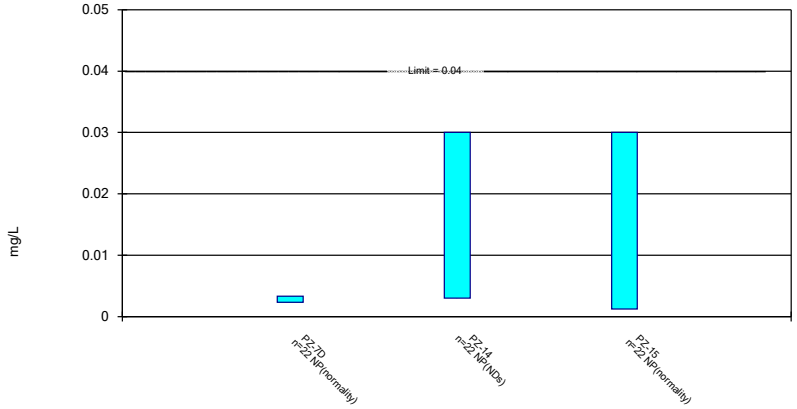


Constituent: Lead Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

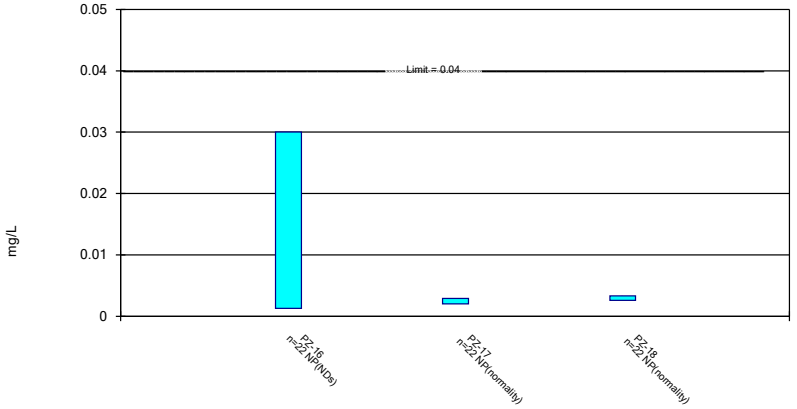


Constituent: Lithium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

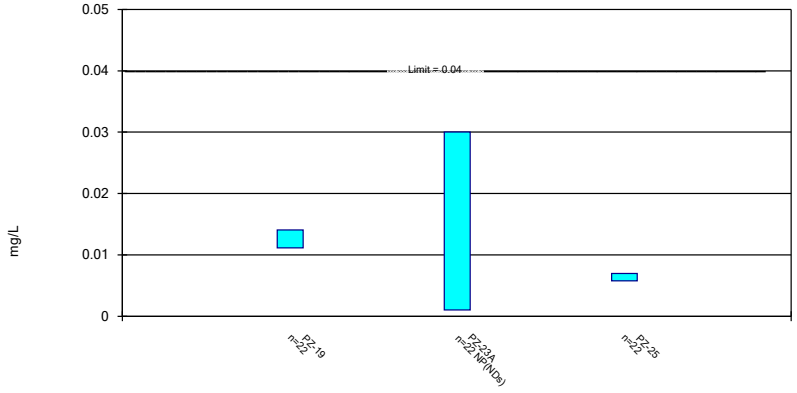


Constituent: Lithium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

Sanitas™ v.10.0.26 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

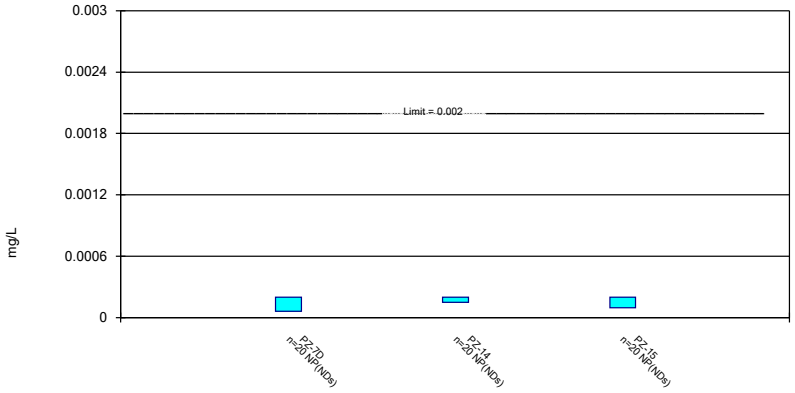


Constituent: Lithium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

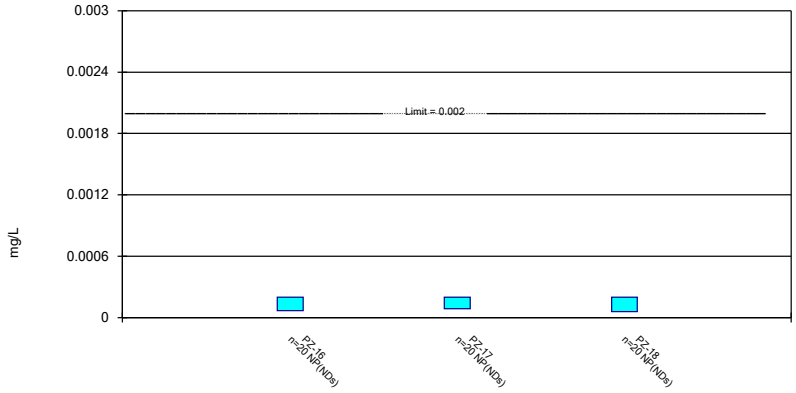


Constituent: Mercury Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

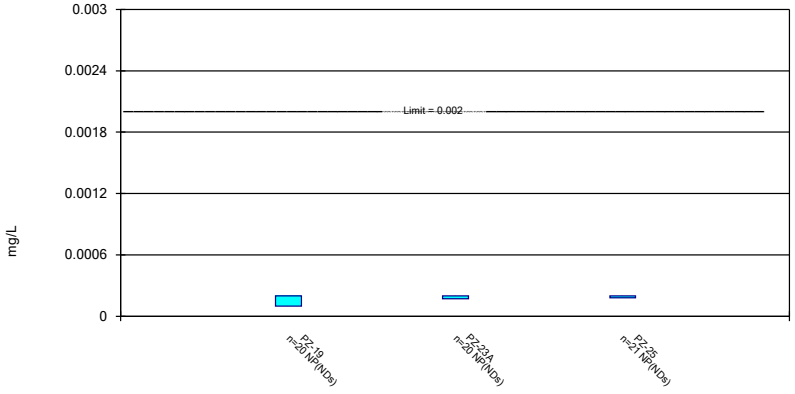


Constituent: Mercury Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

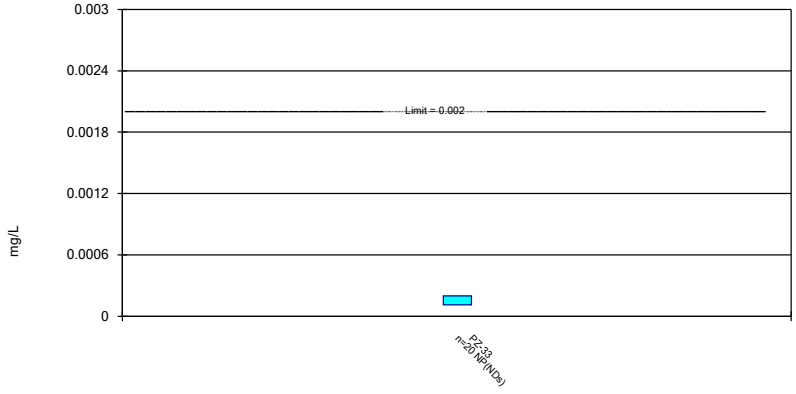


Constituent: Mercury Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

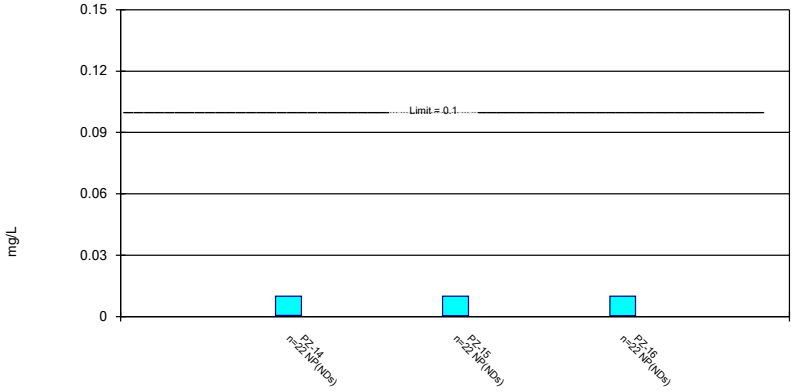


Constituent: Mercury Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

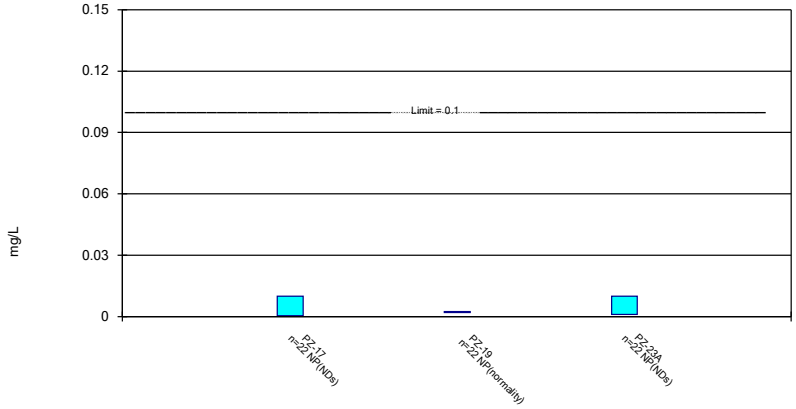


Constituent: Molybdenum Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

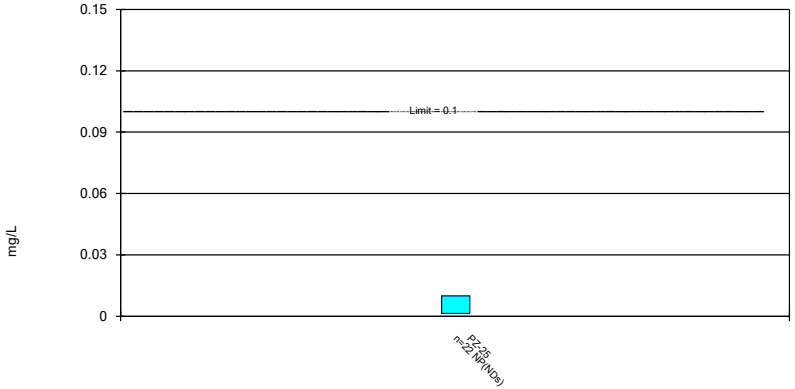


Constituent: Molybdenum Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

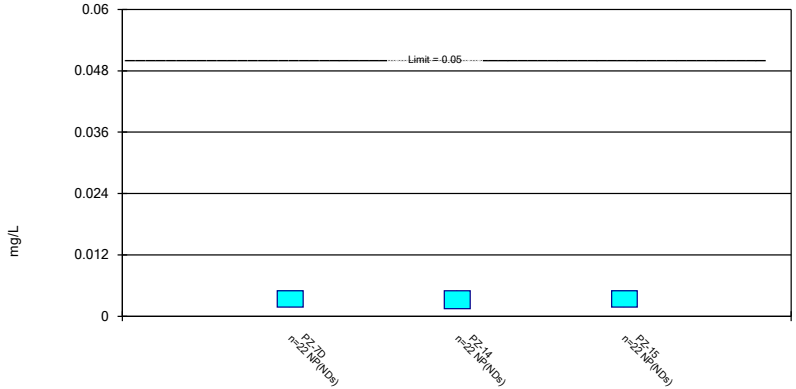


Constituent: Molybdenum Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

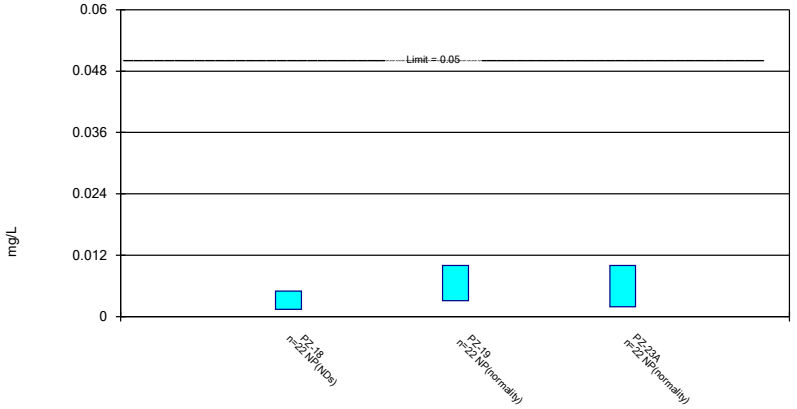


Constituent: Selenium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

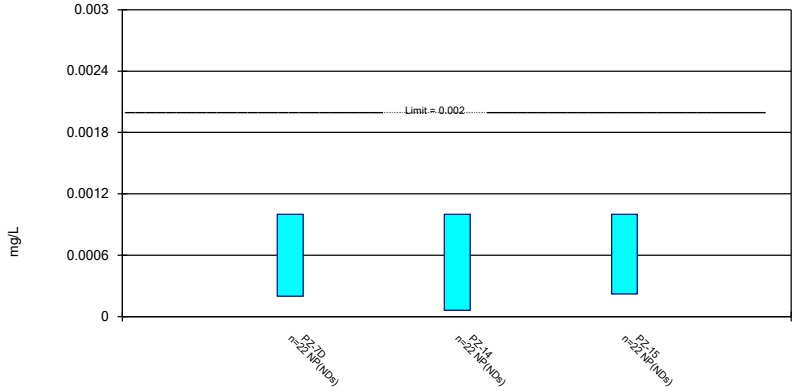


Constituent: Selenium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

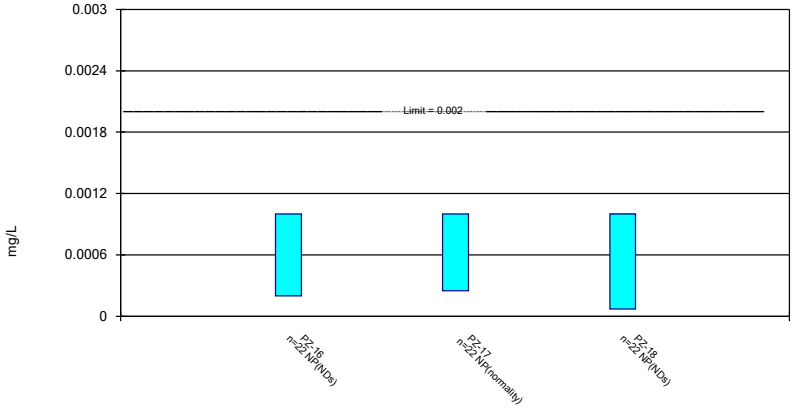


Constituent: Thallium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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.

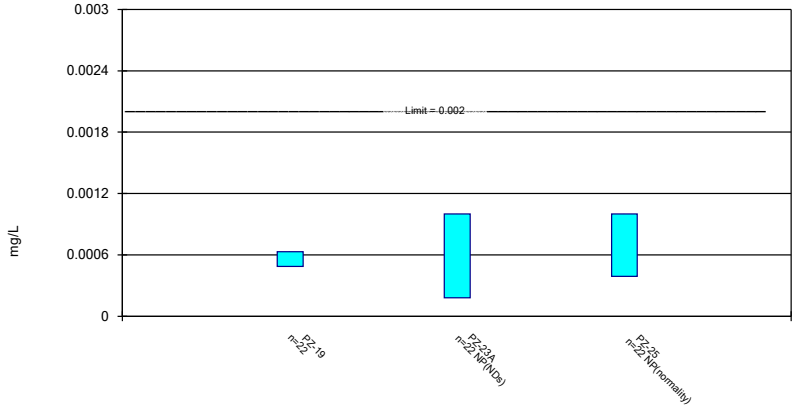


Constituent: Thallium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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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.

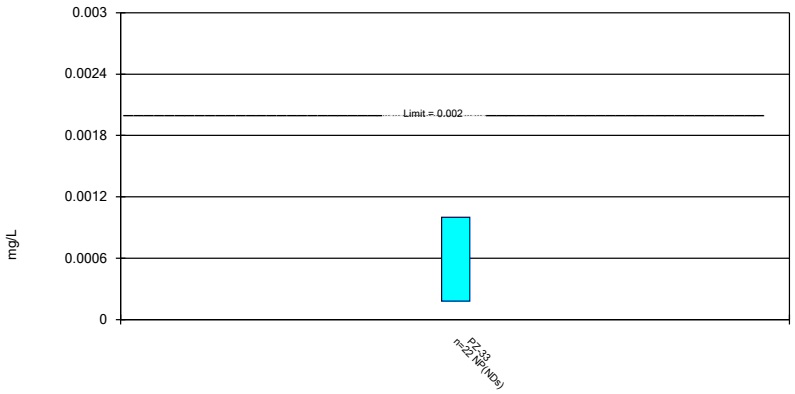


Constituent: Thallium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

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: Thallium Analysis Run 6/19/2025 3:44 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
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9/1/2016	<0.003		0.001 (J)
12/7/2016	<0.003	<0.003	<0.003
3/21/2017		0.0004 (J)	
3/22/2017	<0.003		<0.003
7/11/2017		<0.003	
7/12/2017	<0.003		<0.003
10/18/2017		<0.003	<0.003
10/19/2017	<0.003		
2/20/2018		<0.003	
2/21/2018	<0.003		<0.003
7/11/2018		<0.003	
7/12/2018	<0.003		<0.003
9/12/2018		<0.003	
9/13/2018	<0.003		<0.003
8/21/2019		0.00039 (J)	<0.003
8/22/2019	<0.003		
10/2/2019		<0.003	<0.003
10/3/2019	0.00029 (J)		
3/25/2020		<0.003	
3/26/2020	0.00042 (J)		<0.003
8/26/2020	0.00031 (J)	<0.003	0.00062 (J)
10/6/2020		<0.003	
10/7/2020	<0.003		<0.003
3/3/2021		<0.003	
3/4/2021	<0.003		<0.003
9/15/2021		<0.003	<0.003
9/16/2021	<0.003		
1/26/2022		<0.003	<0.003
1/27/2022	<0.003		
8/25/2022	<0.003	<0.003	<0.003
2/14/2023		<0.003	
2/15/2023	<0.003		<0.003
9/20/2023	<0.003	<0.003	<0.003
2/28/2024	0.00089 (J)		<0.003
2/29/2024		<0.003	
8/14/2024		<0.003	<0.003
8/15/2024	<0.003		
3/12/2025		<0.003	
3/13/2025	<0.003		<0.003
Mean	0.002541	0.002763	0.002801
Std. Dev.	0.001001	0.0007665	0.0006471
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00089	0.0004	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	<0.003		
9/7/2016		<0.003	<0.003
12/7/2016	<0.003		
12/8/2016		<0.003	<0.003
3/22/2017	<0.003	<0.003	<0.003
7/11/2017	<0.003		
7/12/2017		<0.003	<0.003
10/18/2017	<0.003	<0.003	<0.003
2/21/2018	<0.003	<0.003	<0.003
7/12/2018	<0.003		
8/15/2018			<0.003
8/16/2018		<0.003	
9/13/2018	<0.003		<0.003
9/14/2018		<0.003	
8/21/2019	<0.003		
8/22/2019		<0.003	0.00045 (J)
10/2/2019	<0.003	<0.003	
10/3/2019			<0.003
3/25/2020		0.00094 (J)	
3/26/2020	<0.003		0.0018 (J)
8/26/2020	0.00037 (J)	0.00061 (J)	
8/27/2020			<0.003
10/6/2020	<0.003		
10/7/2020		<0.003	0.0014 (J)
3/4/2021	<0.003	0.00055 (J)	<0.003
9/15/2021	<0.003		
9/16/2021		<0.003	<0.003
1/26/2022	<0.003		
1/27/2022		<0.003	<0.003
8/25/2022	<0.003	<0.003	<0.003
2/15/2023	<0.003		<0.003
2/16/2023		<0.003	
9/19/2023	<0.003		
9/20/2023		<0.003	0.004
2/29/2024	<0.003	0.00076 (J)	<0.003
8/14/2024	<0.003		<0.003
8/15/2024		<0.003	
3/12/2025	<0.003	<0.003	<0.003
Mean	0.00288	0.002585	0.002802
Std. Dev.	0.0005607	0.0009044	0.0007119
Upper Lim.	0.003	0.003	0.004
Lower Lim.	0.00037	0.00094	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		<0.003	
9/7/2016	<0.003		
9/8/2016			<0.003
12/7/2016		<0.003	
12/8/2016	<0.003		<0.003
3/21/2017		<0.003	
3/22/2017			<0.003
3/23/2017	<0.003		
7/11/2017		<0.003	<0.003
7/12/2017	<0.003		
10/18/2017		<0.003	<0.003
10/19/2017	<0.003		
2/20/2018		<0.003	
2/21/2018	<0.003		<0.003
7/11/2018		<0.003	
7/12/2018	<0.003		<0.003
9/13/2018		<0.003	<0.003
9/14/2018	<0.003		
8/21/2019		0.00055 (J)	0.0014 (J)
8/22/2019	<0.003		
9/10/2019		<0.003	
10/2/2019			<0.003
10/3/2019	0.00044 (J)		
3/25/2020		<0.003	<0.003
3/26/2020	<0.003		
8/26/2020	<0.003	0.00038 (J)	<0.003
10/6/2020		<0.003	
10/7/2020	<0.003		<0.003
3/3/2021	<0.003	0.0017 (J)	<0.003
9/15/2021		<0.003	<0.003
9/16/2021	<0.003		
1/26/2022		<0.003	<0.003
1/27/2022	<0.003		
8/24/2022			<0.003
8/25/2022	<0.003	<0.003	
2/14/2023		<0.003	
2/15/2023	<0.003		<0.003
9/19/2023			<0.003
9/20/2023	<0.003	<0.003	
2/27/2024			<0.003
2/28/2024		<0.003	
2/29/2024	<0.003		
8/13/2024			<0.003
8/14/2024	<0.003	<0.003	
3/12/2025	<0.003		<0.003
3/13/2025		<0.003	
Mean	0.002884	0.00271	0.002927
Std. Dev.	0.0005458	0.000778	0.0003411
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00044	0.0017	0.0014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	<0.003
3/23/2017	<0.003
7/12/2017	<0.003
10/19/2017	<0.003
2/21/2018	<0.003
7/12/2018	<0.003
9/14/2018	<0.003
10/4/2018	<0.003
8/22/2019	<0.003
10/3/2019	<0.003
3/26/2020	<0.003
8/26/2020	<0.003
10/7/2020	0.00037 (J)
3/4/2021	<0.003
9/16/2021	<0.003
1/27/2022	<0.003
8/24/2022	0.00082 (J)
2/16/2023	<0.003
9/21/2023	<0.003
2/29/2024	<0.003
8/15/2024	<0.003
3/13/2025	<0.003
Mean	0.002781
Std. Dev.	0.0007111
Upper Lim.	0.003
Lower Lim.	0.00082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.005	
9/1/2016	<0.005		<0.005
12/7/2016	<0.005	<0.005	<0.005
3/21/2017		<0.005	
3/22/2017	<0.005		0.0011 (J)
7/11/2017		<0.005	
7/12/2017	<0.005		0.0006 (J)
10/18/2017		<0.005	<0.005
10/19/2017	<0.005		
2/20/2018		<0.005	
2/21/2018	<0.005		0.00089 (J)
7/11/2018		<0.005	
7/12/2018	<0.005		<0.005
9/12/2018		<0.005	
9/13/2018	<0.005		<0.005
8/21/2019		<0.005	<0.005
8/22/2019	<0.005		
10/2/2019		0.00083 (J)	<0.005
10/3/2019	<0.005		
3/25/2020		<0.005	
3/26/2020	<0.005		<0.005
8/26/2020	<0.005	<0.005	<0.005
9/15/2021		<0.005	<0.005
9/16/2021	<0.005		
1/26/2022		<0.005	<0.005
1/27/2022	<0.005		
8/25/2022	<0.005	<0.005	<0.005
2/14/2023		<0.005	
2/15/2023	<0.005		<0.005
9/20/2023	<0.005	<0.005	<0.005
2/28/2024	<0.005		<0.005
2/29/2024		<0.005	
8/14/2024		<0.005	<0.005
8/15/2024	0.0012 (J)		
3/12/2025		<0.005	
3/13/2025	<0.005		<0.005
Mean	0.00481	0.004791	0.004379
Std. Dev.	0.0008497	0.0009324	0.001518
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0012	0.00083	0.0011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-19
9/6/2016	<0.005		
9/7/2016		<0.005	<0.005
12/7/2016	<0.005		
12/8/2016		<0.005	<0.005
3/22/2017	<0.005	0.0007 (J)	
3/23/2017			0.0007 (J)
7/11/2017	<0.005		
7/12/2017		<0.005	<0.005
10/18/2017	<0.005	<0.005	
10/19/2017			<0.005
2/21/2018	<0.005	0.00072 (J)	<0.005
7/12/2018	<0.005		<0.005
8/16/2018		0.0007 (J)	
9/13/2018	<0.005		
9/14/2018		<0.005	<0.005
8/21/2019	0.00036 (J)		
8/22/2019		<0.005	<0.005
10/2/2019	<0.005	<0.005	
10/3/2019			<0.005
3/25/2020		<0.005	
3/26/2020	<0.005		<0.005
8/26/2020	<0.005	<0.005	<0.005
9/15/2021	<0.005		
9/16/2021		<0.005	<0.005
1/26/2022	<0.005		
1/27/2022		<0.005	<0.005
8/25/2022	<0.005	<0.005	<0.005
2/15/2023	<0.005		<0.005
2/16/2023		<0.005	
9/19/2023	<0.005		
9/20/2023		<0.005	<0.005
2/29/2024	<0.005	<0.005	<0.005
8/14/2024	<0.005		<0.005
8/15/2024		<0.005	
3/12/2025	<0.005	<0.005	<0.005
Mean	0.004768	0.004356	0.004785
Std. Dev.	0.001038	0.001573	0.0009615
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.00036	0.00072	0.0007

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.005		
9/8/2016		0.0017 (J)	
12/7/2016	<0.005		
12/8/2016		<0.005	<0.005
3/21/2017	<0.005		
3/22/2017		0.001 (J)	
3/23/2017			0.0007 (J)
7/11/2017	<0.005	<0.005	
7/12/2017			<0.005
10/18/2017	<0.005	<0.005	
10/19/2017			<0.005
2/20/2018	<0.005		
2/21/2018		0.00071 (J)	0.00094 (J)
7/11/2018	<0.005		
7/12/2018		<0.005	<0.005
9/13/2018	<0.005	<0.005	
9/14/2018			<0.005
10/4/2018			<0.005
8/21/2019	<0.005	<0.005	
8/22/2019			<0.005
9/10/2019	0.00036 (J)		
10/2/2019		0.00063 (J)	
10/3/2019			<0.005
3/25/2020	<0.005	<0.005	
3/26/2020			<0.005
8/26/2020	<0.005	<0.005	<0.005
9/15/2021	<0.005	<0.005	
9/16/2021			<0.005
1/26/2022	<0.005	<0.005	
1/27/2022			<0.005
8/24/2022		<0.005	<0.005
8/25/2022	<0.005		
2/14/2023	<0.005		
2/15/2023		<0.005	
2/16/2023			<0.005
9/19/2023		<0.005	
9/20/2023	<0.005		
9/21/2023			<0.005
2/27/2024		<0.005	
2/28/2024	<0.005		
2/29/2024			<0.005
8/13/2024		<0.005	
8/14/2024	0.00089 (J)		
8/15/2024			0.0013 (J)
3/12/2025		<0.005	
3/13/2025	<0.005		<0.005
Mean	0.004562	0.004202	0.004397
Std. Dev.	0.001349	0.001649	0.001476
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.00089	0.0017	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		0.0253	
9/1/2016	0.0117		0.103
12/7/2016	0.0133	0.065	0.0781
3/21/2017		0.0379	
3/22/2017	0.0114		0.0589
7/11/2017		0.036	
7/12/2017	0.0097 (J)		0.0613
10/18/2017		0.0247	0.0617
10/19/2017	0.0091 (J)		
2/20/2018		0.03	
2/21/2018	0.0086 (J)		0.076
7/11/2018		0.027	
7/12/2018	0.0093 (J)		0.056
9/12/2018		0.022	
9/13/2018	0.0078 (J)		0.048
8/21/2019		0.017	0.05
8/22/2019	0.0067 (J)		
10/2/2019		0.017	0.049
10/3/2019	0.007 (J)		
3/25/2020		0.021	
3/26/2020	0.0072 (J)		0.048
8/26/2020	0.007 (J)	0.016	0.053
10/6/2020		0.016	
10/7/2020	0.0061 (J)		0.049
3/3/2021		0.017	
3/4/2021	0.0061		0.047
9/15/2021		0.014	0.045
9/16/2021	0.0062		
1/26/2022		0.016	0.055
1/27/2022	0.0068		
8/25/2022	0.0058	0.011	0.057
2/14/2023		0.014	
2/15/2023	0.006		0.048
9/20/2023	0.0059	0.01	0.05
2/28/2024	0.006		0.058
2/29/2024		0.013	
8/14/2024		0.013	0.046
8/15/2024	0.0055		
3/12/2025		0.015	
3/13/2025	0.0064		0.059
Mean	0.007709	0.02172	0.05714
Std. Dev.	0.002182	0.01233	0.0135
Upper Lim.	0.008553	0.02581	0.059
Lower Lim.	0.006501	0.01534	0.048

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	0.0794		
9/7/2016		0.0823	0.0717
12/7/2016	0.0689		
12/8/2016		0.0668	0.0513
3/22/2017	0.0423	0.0821	0.0273
7/11/2017	0.0467		
7/12/2017		0.0805	0.0269
10/18/2017	0.0446	0.0776	0.0258
2/21/2018	0.046	0.073	0.029
7/12/2018	0.043		
8/15/2018			0.027
8/16/2018		0.081	
9/13/2018	0.038		0.023
9/14/2018		0.081	
8/21/2019	0.034		
8/22/2019		0.078	0.022
10/2/2019	0.038	0.074	
10/3/2019			0.025
3/25/2020		0.077	
3/26/2020	0.034		0.023
8/26/2020	0.036	0.077	
8/27/2020			0.023
10/6/2020	0.034		
10/7/2020		0.074	0.023
3/4/2021	0.035	0.071	0.023
9/15/2021	0.032		
9/16/2021		0.064	0.022
1/26/2022	0.034		
1/27/2022		0.072	0.025
8/25/2022	0.035	0.061	0.026
2/15/2023	0.033		0.026
2/16/2023		0.059	
9/19/2023	0.038		
9/20/2023		0.058	0.022
2/29/2024	0.034	0.052	0.031
8/14/2024	0.036		0.025
8/15/2024		0.045	
3/12/2025	0.04	0.05	0.034
Mean	0.041	0.06983	0.02873
Std. Dev.	0.01169	0.01125	0.01147
Upper Lim.	0.043	0.07587	0.0273
Lower Lim.	0.034	0.06379	0.023

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		0.0407	
9/7/2016	0.067		
9/8/2016			0.102
12/7/2016		0.0581	
12/8/2016	0.0522		0.102
3/21/2017		0.0678	
3/22/2017			0.0951
3/23/2017	0.0591		
7/11/2017		0.0574	0.102
7/12/2017	0.0604		
10/18/2017		0.0351	0.0997
10/19/2017	0.0542		
2/20/2018		0.05	
2/21/2018	0.058		0.11
7/11/2018		0.051	
7/12/2018	0.057		0.1
9/13/2018		0.038	0.1
9/14/2018	0.058		
8/21/2019		0.032	0.1
8/22/2019	0.047		
9/10/2019		0.029	
10/2/2019			0.11
10/3/2019	0.057		
3/25/2020		0.048	0.11
3/26/2020	0.052		
8/26/2020	0.049	0.039	0.1
10/6/2020		0.037	
10/7/2020	0.054		0.11
3/3/2021	0.055	0.039	0.12
9/15/2021		0.037	0.11
9/16/2021	0.053		
1/26/2022		0.039	0.11
1/27/2022	0.055		
8/24/2022			0.1
8/25/2022	0.046	0.036	
2/14/2023		0.033	
2/15/2023	0.051		0.1
9/19/2023			0.11
9/20/2023	0.053	0.035	
2/27/2024			0.13
2/28/2024		0.036	
2/29/2024	0.051		
8/13/2024			0.11
8/14/2024	0.048	0.036	
3/12/2025	0.05		0.097
3/13/2025		0.038	
Mean	0.05395	0.04146	0.1058
Std. Dev.	0.004905	0.009764	0.008173
Upper Lim.	0.05658	0.04585	0.11
Lower Lim.	0.05132	0.03615	0.1

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	0.162
3/23/2017	0.0753
7/12/2017	0.0756
10/19/2017	0.0681
2/21/2018	0.085
7/12/2018	0.076
9/14/2018	0.071
10/4/2018	0.072
8/22/2019	0.064
10/3/2019	0.057
3/26/2020	0.057
8/26/2020	0.051
10/7/2020	0.048
3/4/2021	0.047
9/16/2021	0.039
1/27/2022	0.043
8/24/2022	0.038
2/16/2023	0.04
9/21/2023	0.041
2/29/2024	0.039
8/15/2024	0.041
3/13/2025	0.045
Mean	0.06068
Std. Dev.	0.02718
Upper Lim.	0.06855
Lower Lim.	0.04683

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-33
8/31/2016	0.0002 (J)	
12/7/2016	0.0002 (J)	
12/8/2016		<0.0005
3/21/2017	<0.0005	
3/23/2017		0.0001 (J)
7/11/2017	<0.0005	
7/12/2017		<0.0005
10/18/2017	<0.0005	
10/19/2017		<0.0005
2/20/2018	<0.0005	
2/21/2018		<0.0005
7/11/2018	<0.0005	
7/12/2018		<0.0005
9/13/2018	<0.0005	
9/14/2018		<0.0005
10/4/2018		<0.0005
8/21/2019	<0.0005	
8/22/2019		<0.0005
8/26/2020	<0.0005	<0.0005
9/15/2021	<0.0005	
9/16/2021		<0.0005
1/26/2022	<0.0005	
1/27/2022		<0.0005
8/24/2022		<0.0005
8/25/2022	<0.0005	
2/14/2023	<0.0005	
2/16/2023		<0.0005
9/20/2023	<0.0005	
9/21/2023		<0.0005
2/28/2024	<0.0005	
2/29/2024		<0.0005
8/14/2024	<0.0005	
8/15/2024		<0.0005
3/13/2025	<0.0005	<0.0005
Mean	0.0004667	0.0004778
Std. Dev.	9.701E-05	9.428E-05
Upper Lim.	0.0005	0.0005
Lower Lim.	0.0002	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.005	
9/1/2016	<0.01		<0.005
12/7/2016	0.003 (J)	<0.005	<0.005
3/21/2017		<0.005	
3/22/2017	0.0005 (J)		<0.005
7/11/2017		<0.005	
7/12/2017	<0.01		<0.005
10/18/2017		<0.005	<0.005
10/19/2017	0.0005 (J)		
2/20/2018		<0.005	
2/21/2018	<0.01		<0.005
7/11/2018		<0.005	
7/12/2018	<0.01		<0.005
9/12/2018		<0.005	
9/13/2018	<0.01		<0.005
8/21/2019		0.00073 (J)	0.00048 (J)
8/22/2019	0.0013 (J)		
10/2/2019		<0.005	<0.005
10/3/2019	0.0004 (J)		
3/25/2020		0.0013 (J)	
3/26/2020	0.0016 (J)		<0.005
8/26/2020	0.0011 (J)	0.0011 (J)	<0.005
10/6/2020		0.00098 (J)	
10/7/2020	0.0014 (J)		<0.005
3/3/2021		0.00097 (J)	
3/4/2021	0.0024 (J)		<0.005
9/15/2021		0.0014 (J)	<0.005
9/16/2021	0.0025 (J)		
1/26/2022		0.0012 (J)	<0.005
1/27/2022	0.0034 (J)		
8/25/2022	0.0024 (J)	0.0014 (J)	<0.005
2/14/2023		0.0018 (J)	
2/15/2023	0.0034 (J)		<0.005
9/20/2023	0.0022 (J)	0.002 (J)	<0.005
2/28/2024	0.0025 (J)		<0.005
2/29/2024		<0.005	
8/14/2024		<0.005	<0.005
8/15/2024	0.0026 (J)		
3/12/2025		0.0015 (J)	
3/13/2025	0.0021 (J)		<0.005
Mean	0.003786	0.003154	0.004795
Std. Dev.	0.003551	0.001907	0.0009637
Upper Lim.	0.002036	0.005	0.005
Lower Lim.	0.0009522	0.0013	0.00048

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-18	PZ-19
9/6/2016	<0.005		
9/7/2016		<0.005	<0.005
12/7/2016	<0.005		
12/8/2016		<0.005	<0.005
3/22/2017	0.0008 (J)	<0.005	
3/23/2017			<0.005
7/11/2017	<0.005		
7/12/2017		<0.005	<0.005
10/18/2017	<0.005	<0.005	
10/19/2017			<0.005
2/21/2018	<0.005	<0.005	<0.005
7/12/2018	<0.005		<0.005
8/15/2018		<0.005	
9/13/2018	<0.005	<0.005	
9/14/2018			<0.005
8/21/2019	0.00095 (J)		
8/22/2019		0.00081 (J)	<0.005
10/2/2019	0.00044 (J)		
10/3/2019		<0.005	<0.005
3/26/2020	0.0013 (J)	0.00056 (J)	0.00073 (J)
8/26/2020	0.00087 (J)		<0.005
8/27/2020		<0.005	
10/6/2020	0.0011 (J)		
10/7/2020		<0.005	<0.005
3/3/2021			<0.005
3/4/2021	0.0012 (J)	<0.005	
9/15/2021	0.0011 (J)		
9/16/2021		<0.005	<0.005
1/26/2022	0.0013 (J)		
1/27/2022		<0.005	<0.005
8/25/2022	0.0012 (J)	<0.005	<0.005
2/15/2023	<0.005	<0.005	<0.005
9/19/2023	<0.005		
9/20/2023		<0.005	<0.005
2/29/2024	<0.005	<0.005	<0.005
8/14/2024	<0.005	<0.005	<0.005
3/12/2025	0.0013 (J)	<0.005	<0.005
Mean	0.003025	0.004608	0.004806
Std. Dev.	0.002029	0.00127	0.0009104
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0011	0.00081	0.00073

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-33
8/31/2016	<0.005	
12/7/2016	<0.005	
12/8/2016		<0.005
3/21/2017	0.0009 (J)	
3/23/2017		0.0017 (J)
7/11/2017	0.0016 (J)	
7/12/2017		<0.005
10/18/2017	0.0019 (J)	
10/19/2017		<0.005
2/20/2018	<0.005	
2/21/2018		<0.005
7/11/2018	0.0021 (J)	
7/12/2018		<0.005
9/13/2018	0.0022 (J)	
9/14/2018		<0.005
10/4/2018		<0.005
8/21/2019	0.0024 (J)	
8/22/2019		<0.005
9/10/2019	0.0044 (J)	
10/3/2019		<0.005
3/25/2020	0.0012 (J)	
3/26/2020		<0.005
8/26/2020	0.0014 (J)	<0.005
10/6/2020	0.0015 (J)	
10/7/2020		<0.005
3/3/2021	0.0015 (J)	
3/4/2021		<0.005
9/15/2021	0.0019 (J)	
9/16/2021		<0.005
1/26/2022	0.0028 (J)	
1/27/2022		<0.005
8/24/2022		<0.005
8/25/2022	0.0022 (J)	
2/14/2023	0.0024 (J)	
2/16/2023		<0.005
9/20/2023	0.002 (J)	
9/21/2023		<0.005
2/28/2024	0.002 (J)	
2/29/2024		<0.005
8/14/2024	<0.005	
8/15/2024		<0.005
3/13/2025	0.0028 (J)	<0.005
Mean	0.0026	0.00485
Std. Dev.	0.001353	0.0007036
Upper Lim.	0.00216	0.005
Lower Lim.	0.001388	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-14	PZ-15	PZ-16
8/31/2016	<0.005		
9/1/2016		0.0012 (J)	
9/6/2016			0.0005 (J)
12/7/2016	0.002 (J)	0.0005 (J)	<0.005
3/21/2017	<0.005		
3/22/2017		0.0005 (J)	<0.005
7/11/2017	0.0003 (J)		<0.005
7/12/2017		0.0004 (J)	
10/18/2017	<0.005	0.0004 (J)	<0.005
2/20/2018	<0.005		
2/21/2018		<0.005	<0.005
7/11/2018	<0.005		
7/12/2018		<0.005	<0.005
9/12/2018	<0.005		
9/13/2018		<0.005	<0.005
8/21/2019	<0.005	<0.005	<0.005
10/2/2019	<0.005	<0.005	<0.005
3/25/2020	<0.005		
3/26/2020		<0.005	<0.005
8/26/2020	<0.005	<0.005	<0.005
10/6/2020	<0.005		<0.005
10/7/2020		<0.005	
3/3/2021	<0.005		
3/4/2021		<0.005	<0.005
9/15/2021	<0.005	<0.005	<0.005
1/26/2022	<0.005	<0.005	<0.005
8/25/2022	<0.005	<0.005	<0.005
2/14/2023	<0.005		
2/15/2023		<0.005	<0.005
9/19/2023			<0.005
9/20/2023	<0.005	<0.005	
2/28/2024		<0.005	
2/29/2024	<0.005		<0.005
8/14/2024	<0.005	<0.005	<0.005
3/12/2025	<0.005		<0.005
3/13/2025		<0.005	
Mean	0.00465	0.004	0.004795
Std. Dev.	0.001163	0.001893	0.0009594
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.002	0.0012	0.0005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-18	PZ-19
9/7/2016	0.0011 (J)	0.0011 (J)	0.0012 (J)
12/8/2016	0.0006 (J)	<0.005	0.0009 (J)
3/22/2017	0.0006 (J)	<0.005	
3/23/2017			<0.005
7/12/2017	0.0005 (J)	<0.005	<0.005
10/18/2017	0.0005 (J)	<0.005	
10/19/2017			<0.005
2/21/2018	<0.005	<0.005	<0.005
7/12/2018			<0.005
8/15/2018		<0.005	
8/16/2018	<0.005		
9/13/2018		<0.005	
9/14/2018	<0.005		<0.005
8/22/2019	<0.005	<0.005	<0.005
10/2/2019	<0.005		
10/3/2019		<0.005	<0.005
3/25/2020	0.00032 (J)		
3/26/2020		<0.005	<0.005
8/26/2020	<0.005		<0.005
8/27/2020		<0.005	
10/7/2020	<0.005	<0.005	<0.005
3/3/2021			<0.005
3/4/2021	<0.005	<0.005	
9/16/2021	<0.005	<0.005	<0.005
1/27/2022	<0.005	<0.005	<0.005
8/25/2022	<0.005	<0.005	<0.005
2/15/2023		<0.005	<0.005
2/16/2023	<0.005		
9/20/2023	<0.005	<0.005	<0.005
2/29/2024	<0.005	<0.005	<0.005
8/14/2024		<0.005	<0.005
8/15/2024	<0.005		
3/12/2025	<0.005	<0.005	<0.005
Mean	0.003801	0.004823	0.004641
Std. Dev.	0.002008	0.0008315	0.001163
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0011	0.0011	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.005		
9/8/2016		0.0008 (J)	
12/7/2016	0.0008 (J)		
12/8/2016		<0.005	0.0041 (J)
3/21/2017	<0.005		
3/22/2017		0.001 (J)	
3/23/2017			0.0008 (J)
7/11/2017	<0.005	0.001 (J)	
7/12/2017			0.0007 (J)
10/18/2017	<0.005	0.0011 (J)	
10/19/2017			0.0005 (J)
2/20/2018	<0.005		
2/21/2018		0.00075 (J)	0.0012 (J)
7/11/2018	<0.005		
7/12/2018		0.0008 (J)	0.00053 (J)
9/13/2018	<0.005	0.001 (J)	
9/14/2018			<0.005
10/4/2018			<0.005
8/21/2019	<0.005	0.0015 (J)	
8/22/2019			<0.005
9/10/2019	<0.005		
10/2/2019		0.0017 (J)	
10/3/2019			<0.005
3/25/2020	0.0003 (J)	0.0018 (J)	
3/26/2020			<0.005
8/26/2020	0.00058 (J)	0.0016 (J)	<0.005
10/6/2020	0.00067 (J)		
10/7/2020		0.0014 (J)	<0.005
3/3/2021	0.00049 (J)	0.0016 (J)	
3/4/2021			<0.005
9/15/2021	<0.005	0.002 (J)	
9/16/2021			<0.005
1/26/2022	<0.005	0.0016 (J)	
1/27/2022			<0.005
8/24/2022		0.0016 (J)	<0.005
8/25/2022	<0.005		
2/14/2023	<0.005		
2/15/2023		0.0012 (J)	
2/16/2023			<0.005
9/19/2023		0.0017 (J)	
9/20/2023	<0.005		
9/21/2023			<0.005
2/27/2024		0.0017 (J)	
2/28/2024	<0.005		
2/29/2024			<0.005
8/13/2024		0.0021 (J)	
8/14/2024	<0.005		
8/15/2024			<0.005
3/12/2025		<0.005	
3/13/2025	<0.005		<0.005
Mean	0.003993	0.001498	0.003992
Std. Dev.	0.001903	0.0005077	0.001816

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-25	PZ-33
Upper Lim.	0.005	0.00177	0.005
Lower Lim.	0.0008	0.001225	0.0041

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		1.77	
9/1/2016	0.88 (U)		1.19
12/7/2016	0.179 (U)	0.672 (U)	1.88
3/21/2017		0.33 (U)	
3/22/2017	0.279 (U)		0.617 (U)
7/11/2017		0.701 (U)	
7/12/2017	0.125 (U)		0.674 (U)
10/18/2017		0.808 (U)	0.844 (U)
10/19/2017	0.329 (U)		
2/20/2018		2.12	
2/21/2018	0.504 (U)		0.842 (U)
7/11/2018		0.232 (U)	
7/12/2018	0.188 (U)		0.552 (U)
9/12/2018		0.532 (U)	
9/13/2018	0.0542 (U)		0.662 (U)
8/21/2019		0.705 (U)	1.86
8/22/2019	0.672 (U)		
10/2/2019		0.915 (U)	1 (U)
10/3/2019	1.37		
3/25/2020		0.694 (U)	
3/26/2020	0.43 (U)		0.863 (U)
8/26/2020	0.572 (U)	0.115 (U)	0.681 (U)
10/6/2020		0.265 (U)	
10/7/2020	0.232 (U)		1.22 (U)
3/3/2021		0.328 (U)	
3/4/2021	0.529 (U)		0.674 (U)
9/15/2021		0.872 (U)	0.729 (U)
9/16/2021	0.382 (U)		
1/26/2022		0.185 (U)	0.879 (U)
1/27/2022	0.315 (U)		
8/25/2022	0.771 (U)	0.453 (U)	1.05
2/14/2023		0.0857 (U)	
2/15/2023	0.496 (U)		0.875 (U)
9/20/2023	0.623 (U)	0.707 (U)	0.644 (U)
2/28/2024	0.676 (U)		0.948 (U)
2/29/2024		0.433 (U)	
8/14/2024		0.071 (U)	0.747 (U)
8/15/2024	0.591 (U)		
3/12/2025		0.923 (U)	
3/13/2025	0.253 (U)		0.832 (U)
Mean	0.475	0.6326	0.921
Std. Dev.	0.2972	0.5082	0.3541
Upper Lim.	0.6345	0.8115	1.036
Lower Lim.	0.3155	0.3312	0.733

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	1.12		
9/7/2016		1.06 (U)	1.51
12/7/2016	1.37		
12/8/2016		1.3	1.29
3/22/2017	0.435 (U)	0.566 (U)	0.799 (U)
7/11/2017	0.76 (U)		
7/12/2017		0.856 (U)	0.4 (U)
10/18/2017	0.847 (U)	0.957	0.613 (U)
2/21/2018	0.373 (U)	1.4	0.736 (U)
7/12/2018	0.408 (U)		
8/15/2018			1.02 (U)
8/16/2018		0.625 (U)	
9/13/2018	0.472 (U)		0.708 (U)
9/14/2018		1.16	
8/21/2019	0.453 (U)		
8/22/2019		0.977 (U)	0.753 (U)
10/2/2019	0.65 (U)	1.34 (U)	
10/3/2019			2.07
3/25/2020		0.385 (U)	
3/26/2020	0.522 (U)		1.05
8/26/2020	0.499 (U)	1.62	
8/27/2020			0.0939 (U)
10/6/2020	1.12 (U)		
10/7/2020		0.432 (U)	0.365 (U)
3/4/2021	0.404 (U)	0.734 (U)	0.498 (U)
9/15/2021	0.721 (U)		
9/16/2021		0.377 (U)	0.681 (U)
1/26/2022	0.117 (U)		
1/27/2022		0.314 (U)	0.418 (U)
8/25/2022	0.728 (U)	0.98 (U)	0.0434 (U)
2/15/2023	0.137 (U)		0.828
2/16/2023		0.129 (U)	
9/19/2023	0.531 (U)		
9/20/2023		0.684 (U)	0.784 (U)
2/29/2024	0.463 (U)	0.621 (U)	0.228 (U)
8/14/2024	0.937 (U)		0.365 (U)
8/15/2024		0.846 (U)	
3/12/2025	0.73 (U)	0.734 (U)	0.325 (U)
Mean	0.6271	0.8226	0.7081
Std. Dev.	0.3123	0.3883	0.4754
Upper Lim.	0.7947	1.031	0.9633
Lower Lim.	0.4595	0.6142	0.4529

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		1.85	
9/7/2016	1.22		
9/8/2016			1.41
12/7/2016		0.844 (U)	
12/8/2016	1.69		1.39
3/21/2017		0.832 (U)	
3/22/2017			0.852 (U)
3/23/2017	1.07		
7/11/2017		0.824 (U)	1.04
7/12/2017	0.849 (U)		
10/18/2017		1.19	0.678 (U)
10/19/2017	0.398 (U)		
2/20/2018		0.975 (U)	
2/21/2018	1.03 (U)		0.863 (U)
7/11/2018		1.29	
7/12/2018	1.28 (U)		1.42
9/13/2018		0.765 (U)	0.766 (U)
9/14/2018	0.74 (U)		
8/21/2019		2.31	1.18 (U)
8/22/2019	1.37		
9/10/2019		0.575 (U)	
10/2/2019			1.48
10/3/2019	1.9		
3/25/2020		1.39	0.91 (U)
3/26/2020	1.66		
8/26/2020	0.703 (U)	0.774 (U)	0.95 (U)
10/6/2020		1.24 (U)	
10/7/2020	0.893		1.01 (U)
3/3/2021	0.469 (U)	1.01 (U)	0.545 (U)
9/15/2021		0.742 (U)	1.07 (U)
9/16/2021	1.4		
1/26/2022		0.76 (U)	0.282 (U)
1/27/2022	0.255 (U)		
8/24/2022			0.764 (U)
8/25/2022	0.937	0.396 (U)	
2/14/2023		0.521 (U)	
2/15/2023	0.652 (U)		0.484 (U)
9/19/2023			1.21 (U)
9/20/2023	1.02 (U)	0.235 (U)	
2/27/2024			0.437 (U)
2/28/2024		0.261 (U)	
2/29/2024	0.744 (U)		
8/13/2024			0.818 (U)
8/14/2024	0.684 (U)	1.15 (U)	
3/12/2025	0.426 (U)		0.379 (U)
3/13/2025		0.162 (U)	
Mean	0.9723	0.9135	0.9063
Std. Dev.	0.4442	0.5141	0.3523
Upper Lim.	1.211	1.189	1.095
Lower Lim.	0.7338	0.6375	0.7172

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	0.968 (U)
3/23/2017	0.444 (U)
7/12/2017	0.814 (U)
10/19/2017	0.748 (U)
2/21/2018	1.05 (U)
7/12/2018	0.751 (U)
9/14/2018	1.01 (U)
10/4/2018	1.05
8/22/2019	0.513 (U)
10/3/2019	1.62 (U)
3/26/2020	0.473 (U)
8/26/2020	0.782 (U)
10/7/2020	0.442 (U)
3/4/2021	1.03 (U)
9/16/2021	0.184 (U)
1/27/2022	0.259 (U)
8/24/2022	0.764 (U)
2/16/2023	0.765
9/21/2023	0.809 (U)
2/29/2024	0.478 (U)
8/15/2024	0.387 (U)
3/13/2025	0.519 (U)
Mean	0.7209
Std. Dev.	0.3283
Upper Lim.	0.8971
Lower Lim.	0.5447

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		0.13 (J)	
9/1/2016	<0.1		0.06 (J)
12/7/2016	0.15 (J)	0.07 (J)	0.09 (J)
3/21/2017		<0.1	
3/22/2017	0.09 (J)		0.11 (J)
7/11/2017		0.05 (J)	
7/12/2017	0.02 (J)		0.23 (J)
10/18/2017		0.11 (J)	0.19 (J)
10/19/2017	<0.1		
2/20/2018		0.04 (J)	
2/21/2018	0.045 (J)		0.093 (J)
7/11/2018		<0.1	
7/12/2018	<0.1		<0.1
9/12/2018		<0.1	
9/13/2018	<0.1		0.15 (J)
3/27/2019		<0.1	
3/28/2019	<0.1		0.1 (J)
8/21/2019		<0.1	0.044 (J)
8/22/2019	<0.1		
10/2/2019		0.056 (J)	0.075 (J)
10/3/2019	0.041 (J)		
3/25/2020		<0.1	
3/26/2020	<0.1		0.056 (J)
8/26/2020	<0.1	<0.1	<0.1
10/6/2020		<0.1	
10/7/2020	<0.1		<0.1
3/3/2021		<0.1	
3/4/2021	<0.1		<0.1
9/15/2021		<0.1	<0.1
9/16/2021	<0.1		
1/26/2022		<0.1	<0.1
1/27/2022	<0.1		
8/25/2022	0.056 (J)	0.051 (J)	0.074 (J)
2/14/2023		<0.1	
2/15/2023	0.05 (J)		0.064 (J)
9/20/2023	<0.1	<0.1	0.064 (J)
2/28/2024	<0.1		0.059 (J)
2/29/2024		<0.1	
8/14/2024		<0.1	<0.1
8/15/2024	<0.1		
3/12/2025		<0.1	
3/13/2025	<0.1		<0.1
Mean	0.08922	0.09161	0.09822
Std. Dev.	0.02802	0.02207	0.0426
Upper Lim.	0.1	0.11	0.101
Lower Lim.	0.09	0.07	0.06295

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	0.09 (J)		
9/7/2016		0.03 (J)	0.12 (J)
12/7/2016	0.09 (J)		
12/8/2016		0.18 (J)	0.18 (J)
3/22/2017	0.04 (J)	0.09 (J)	0.08 (J)
7/11/2017	0.05 (J)		
7/12/2017		0.21 (J)	0.17 (J)
10/18/2017	0.04 (J)	0.24 (J)	0.06 (J)
2/21/2018	<0.1	0.24 (J)	0.086 (J)
7/12/2018	<0.1		
8/15/2018			<0.1
8/16/2018		0.073 (J)	
9/13/2018	<0.1		<0.1
9/14/2018		<0.1	
3/27/2019	<0.1		<0.1
3/28/2019		0.15 (J)	
8/21/2019	<0.1		
8/22/2019		0.11 (J)	<0.1
10/2/2019	0.053 (J)	0.063 (J)	
10/3/2019			0.043 (J)
3/25/2020		<0.1	
3/26/2020	<0.1		<0.1
8/26/2020	<0.1	<0.1	
8/27/2020			<0.1
10/6/2020	<0.1		
10/7/2020		<0.1	<0.1
3/4/2021	<0.1	<0.1	<0.1
9/15/2021	<0.1		
9/16/2021		0.052 (J)	<0.1
1/26/2022	<0.1		
1/27/2022		<0.1	<0.1
8/25/2022	0.058 (J)	0.078 (J)	0.052 (J)
2/15/2023	0.053 (J)		<0.1
2/16/2023		0.077 (J)	
9/19/2023	<0.1		
9/20/2023		0.073 (J)	<0.1
2/29/2024	<0.1	0.068 (J)	<0.1
8/14/2024	<0.1		<0.1
8/15/2024		<0.1	
3/12/2025	<0.1	<0.1	<0.1
Mean	0.08583	0.1102	0.09961
Std. Dev.	0.02282	0.05644	0.02973
Upper Lim.	0.1	0.1101	0.12
Lower Lim.	0.058	0.06103	0.086

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		0.13 (J)	
9/7/2016	0.15 (J)		
9/8/2016			0.25 (J)
12/7/2016		0.13 (J)	
12/8/2016	0.12 (J)		0.22 (J)
3/21/2017		0.05 (J)	
3/22/2017			0.16 (J)
3/23/2017	0.14 (J)		
7/11/2017		0.05 (J)	0.23 (J)
7/12/2017	0.07 (J)		
10/18/2017		<0.1	0.28 (J)
10/19/2017	<0.3		
2/20/2018		0.3 (J)	
2/21/2018	0.37		0.29 (J)
7/11/2018		0.077 (J)	
7/12/2018	0.17 (J)		0.21 (J)
9/13/2018		<0.1	0.22 (J)
9/14/2018	<0.3		
3/27/2019		<0.1	0.37
3/28/2019	0.074 (J)		
8/21/2019		<0.1	0.11 (J)
8/22/2019	0.1 (J)		
9/10/2019		<0.1	
10/2/2019			0.16 (J)
10/3/2019	0.084 (J)		
3/25/2020		0.066 (J)	0.13 (J)
3/26/2020	0.077 (J)		
8/26/2020	0.062 (J)	0.057 (J)	0.14
10/6/2020		0.052 (J)	
10/7/2020	0.064 (J)		0.13
3/3/2021	0.058 (J)	<0.1	0.12
9/15/2021		<0.1	0.14
9/16/2021	0.067 (J)		
1/26/2022		<0.1	0.11
1/27/2022	0.056 (J)		
8/24/2022			0.15
8/25/2022	0.086 (J)	0.074 (J)	
2/14/2023		0.084 (J)	
2/15/2023	0.086 (J)		0.16
9/19/2023			0.14
9/20/2023	0.082 (J)	0.062 (J)	
2/27/2024			0.13
2/28/2024		0.07 (J)	
2/29/2024	0.078 (J)		
8/13/2024			0.12
8/14/2024	0.065 (J)	<0.1	
3/12/2025	0.055 (J)		0.13
3/13/2025		<0.1	
Mean	0.105	0.09574	0.1783
Std. Dev.	0.06778	0.05023	0.0686
Upper Lim.	0.14	0.1	0.2051
Lower Lim.	0.065	0.066	0.141

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	0.21 (J)
3/23/2017	0.18 (J)
7/12/2017	0.06 (J)
10/19/2017	<0.1
2/21/2018	0.039 (J)
7/12/2018	<0.1
9/14/2018	<0.1
10/4/2018	0.15 (J)
3/28/2019	<0.1
8/22/2019	<0.1
10/3/2019	0.06 (J)
3/26/2020	<0.1
8/26/2020	<0.1
10/7/2020	<0.1
3/4/2021	<0.1
9/16/2021	<0.1
1/27/2022	<0.1
8/24/2022	0.092 (J)
2/16/2023	0.082 (J)
9/21/2023	0.074 (J)
2/29/2024	0.068 (J)
8/15/2024	<0.1
3/13/2025	<0.1
Mean	0.1007
Std. Dev.	0.03693
Upper Lim.	0.15
Lower Lim.	0.082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.001	
9/1/2016	<0.001		<0.001
12/7/2016	<0.001	<0.001	<0.001
3/21/2017		<0.001	
3/22/2017	<0.001		5E-05 (J)
7/11/2017		<0.001	
7/12/2017	<0.001		<0.001
10/18/2017		<0.001	<0.001
10/19/2017	<0.001		
2/20/2018		<0.001	
2/21/2018	<0.001		<0.001
7/11/2018		<0.001	
7/12/2018	<0.001		<0.001
9/12/2018		<0.001	
9/13/2018	<0.001		<0.001
8/21/2019		6.4E-05 (J)	<0.001
8/22/2019	<0.001		
10/2/2019		<0.001	<0.001
10/3/2019	<0.001		
3/25/2020		<0.001	
3/26/2020	<0.001		<0.001
8/26/2020	<0.001	<0.001	<0.001
10/6/2020		<0.001	
10/7/2020	<0.001		<0.001
3/3/2021		<0.001	
3/4/2021	4.1E-05 (J)		<0.001
9/15/2021		<0.001	<0.001
9/16/2021	<0.001		
1/26/2022		<0.001	<0.001
1/27/2022	<0.001		
8/25/2022	<0.001	<0.001	<0.001
2/14/2023		<0.001	
2/15/2023	<0.001		<0.001
9/20/2023	<0.001	<0.001	<0.001
2/28/2024	<0.001		<0.001
2/29/2024		<0.001	
8/14/2024		<0.001	<0.001
8/15/2024	<0.001		
3/12/2025		<0.001	
3/13/2025	<0.001		<0.001
Mean	0.0009564	0.0009575	0.0009568
Std. Dev.	0.0002045	0.0001996	0.0002025
Upper Lim.	0.001	0.001	0.001
Lower Lim.	4.1E-05	6.4E-05	5E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-18	PZ-19
9/6/2016	<0.001		
9/7/2016		<0.001	<0.001
12/7/2016	<0.001		
12/8/2016		<0.001	<0.001
3/22/2017	<0.001	<0.001	
3/23/2017			<0.001
7/11/2017	<0.001		
7/12/2017		<0.001	<0.001
10/18/2017	<0.001	<0.001	
10/19/2017			<0.001
2/21/2018	<0.001	0.00043 (J)	<0.001
7/12/2018	<0.001		<0.001
8/15/2018		<0.001	
9/13/2018	<0.001	<0.001	
9/14/2018			<0.001
8/21/2019	<0.001		
8/22/2019		<0.001	<0.001
10/2/2019	8.1E-05 (J)		
10/3/2019		<0.001	<0.001
3/26/2020	<0.001	<0.001	<0.001
8/26/2020	<0.001		<0.001
8/27/2020		<0.001	
10/6/2020	<0.001		
10/7/2020		4.2E-05 (J)	4.2E-05 (J)
3/3/2021			<0.001
3/4/2021	<0.001	<0.001	
9/15/2021	<0.001		
9/16/2021		<0.001	<0.001
1/26/2022	<0.001		
1/27/2022		<0.001	<0.001
8/25/2022	<0.001	<0.001	<0.001
2/15/2023	<0.001	<0.001	<0.001
9/19/2023	<0.001		
9/20/2023		<0.001	<0.001
2/29/2024	<0.001	<0.001	<0.001
8/14/2024	<0.001	<0.001	<0.001
3/12/2025	<0.001	<0.001	<0.001
Mean	0.0009582	0.0009305	0.0009565
Std. Dev.	0.0001959	0.0002326	0.0002042
Upper Lim.	0.001	0.001	0.001
Lower Lim.	8.1E-05	0.00043	4.2E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-25	PZ-33
8/31/2016	<0.001		
9/8/2016		<0.001	
12/7/2016	<0.001		
12/8/2016		<0.001	<0.001
3/21/2017	<0.001		
3/22/2017		<0.001	
3/23/2017			9E-05 (J)
7/11/2017	<0.001	<0.001	
7/12/2017			<0.001
10/18/2017	<0.001	<0.001	
10/19/2017			<0.001
2/20/2018	<0.001		
2/21/2018		<0.001	<0.001
7/11/2018	<0.001		
7/12/2018		<0.001	<0.001
9/13/2018	<0.001	<0.001	
9/14/2018			<0.001
10/4/2018			<0.001
8/21/2019	<0.001	0.00041 (J)	
8/22/2019			<0.001
9/10/2019	<0.001		
10/2/2019		<0.001	
10/3/2019			4.7E-05 (J)
3/25/2020	0.00015 (J)	<0.001	
3/26/2020			<0.001
8/26/2020	<0.001	<0.001	<0.001
10/6/2020	4.7E-05 (J)		
10/7/2020		<0.001	<0.001
3/3/2021	5.8E-05 (J)	<0.001	
3/4/2021			<0.001
9/15/2021	<0.001	<0.001	
9/16/2021			<0.001
1/26/2022	<0.001	<0.001	
1/27/2022			<0.001
8/24/2022		<0.001	<0.001
8/25/2022	<0.001		
2/14/2023	<0.001		
2/15/2023		<0.001	
2/16/2023			<0.001
9/19/2023		<0.001	
9/20/2023	<0.001		
9/21/2023			<0.001
2/27/2024		<0.001	
2/28/2024	<0.001		
2/29/2024			<0.001
8/13/2024		<0.001	
8/14/2024	<0.001		
8/15/2024			<0.001
3/12/2025		<0.001	
3/13/2025	<0.001		<0.001
Mean	0.0008752	0.0009732	0.0009153
Std. Dev.	0.0003219	0.0001258	0.0002742

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-23A	PZ-25	PZ-33
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00015	0.00041	9E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.03	
9/1/2016	0.0022 (J)		<0.03
12/7/2016	0.0023 (J)	0.003 (J)	<0.03
3/21/2017		<0.03	
3/22/2017	0.0025 (J)		0.0011 (J)
7/11/2017		<0.03	
7/12/2017	0.0033 (J)		<0.03
10/18/2017		<0.03	<0.03
10/19/2017	<0.25		
2/20/2018		<0.03	
2/21/2018	0.0034 (J)		<0.03
7/11/2018		<0.03	
7/12/2018	0.0038 (J)		0.0012 (J)
9/12/2018		<0.03	
9/13/2018	0.0026 (J)		0.0013 (J)
8/21/2019		<0.03	0.0013 (J)
8/22/2019	0.0029 (J)		
10/2/2019		<0.03	0.0013 (J)
10/3/2019	0.0032 (J)		
3/25/2020		<0.03	
3/26/2020	0.0031 (J)		0.0014 (J)
8/26/2020	0.0023 (J)	<0.03	0.0013 (J)
10/6/2020		<0.03	
10/7/2020	0.0023 (J)		0.0013 (J)
3/3/2021		<0.03	
3/4/2021	0.0031 (J)		0.0014 (J)
9/15/2021		<0.03	0.0013 (J)
9/16/2021	0.0025 (J)		
1/26/2022		<0.03	0.0013 (J)
1/27/2022	0.0039 (J)		
8/25/2022	0.003 (J)	<0.03	0.0012 (J)
2/14/2023		<0.03	
2/15/2023	0.0037 (J)		0.001 (J)
9/20/2023	0.0023 (J)	<0.03	0.0014 (J)
2/28/2024	0.0024 (J)		<0.03
2/29/2024		<0.03	
8/14/2024		<0.03	<0.03
8/15/2024	0.0025 (J)		
3/12/2025		0.00112 (J)	
3/13/2025	0.00215 (J)		0.00121 (J)
Mean	0.008384	0.02746	0.01041
Std. Dev.	0.02605	0.008226	0.0137
Upper Lim.	0.0033	0.03	0.03
Lower Lim.	0.0023	0.003	0.00121

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	<0.03		
9/7/2016		<0.03	<0.05
12/7/2016	<0.03		
12/8/2016		<0.03	<0.05
3/22/2017	<0.03	0.0021 (J)	0.0029 (J)
7/11/2017	<0.03		
7/12/2017		0.002 (J)	0.0024 (J)
10/18/2017	<0.03	0.002 (J)	0.0027 (J)
2/21/2018	<0.03	0.0022 (J)	0.0021 (J)
7/12/2018	<0.03		
8/15/2018			0.0027 (J)
8/16/2018		0.0027 (J)	
9/13/2018	<0.03		0.0029 (J)
9/14/2018		0.0025 (J)	
8/21/2019	<0.03		
8/22/2019		0.0025 (J)	0.0026 (J)
10/2/2019	<0.03	0.0024 (J)	
10/3/2019			0.0027 (J)
3/25/2020		0.003 (J)	
3/26/2020	<0.03		0.0027 (J)
8/26/2020	<0.03	0.0028 (J)	
8/27/2020			0.0025 (J)
10/6/2020	<0.03		
10/7/2020		0.0029 (J)	0.003 (J)
3/4/2021	<0.03	0.002 (J)	0.0029 (J)
9/15/2021	<0.03		
9/16/2021		0.0021 (J)	0.0023 (J)
1/26/2022	<0.03		
1/27/2022		0.0022 (J)	0.003 (J)
8/25/2022	<0.03	0.0018 (J)	0.0033 (J)
2/15/2023	<0.03		0.0027 (J)
2/16/2023		0.0014 (J)	
9/19/2023	<0.03		
9/20/2023		0.0012 (J)	0.0028 (J)
2/29/2024	<0.03	<0.03	0.0054 (J)
8/14/2024	<0.03		0.0041 (J)
8/15/2024		<0.03	
3/12/2025	0.0013 (J)	0.00101 (J)	0.00579 (J)
Mean	0.0287	0.007219	0.005068
Std. Dev.	0.006119	0.011	0.006515
Upper Lim.	0.03	0.0029	0.0033
Lower Lim.	0.0013	0.002	0.0026

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		<0.03	
9/7/2016	0.0082 (J)		
9/8/2016			0.0038 (J)
12/7/2016		<0.03	
12/8/2016	0.0061 (J)		0.0038 (J)
3/21/2017		<0.03	
3/22/2017			0.0068 (J)
3/23/2017	0.0122 (J)		
7/11/2017		<0.03	0.0059 (J)
7/12/2017	0.013 (J)		
10/18/2017		<0.03	0.0057 (J)
10/19/2017	0.013 (J)		
2/20/2018		<0.03	
2/21/2018	0.0085 (J)		0.0063 (J)
7/11/2018		<0.03	
7/12/2018	0.013 (J)		0.0063 (J)
9/13/2018		<0.03	0.0061 (J)
9/14/2018	0.018 (J)		
8/21/2019		0.0009 (J)	0.0072 (J)
8/22/2019	0.012 (J)		
9/10/2019		<0.03	
10/2/2019			0.0074 (J)
10/3/2019	0.016 (J)		
3/25/2020		0.0011 (J)	0.0066 (J)
3/26/2020	0.013 (J)		
8/26/2020	0.011 (J)	0.0011 (J)	0.0065 (J)
10/6/2020		0.00097 (J)	
10/7/2020	0.013 (J)		0.0063 (J)
3/3/2021	0.015 (J)	0.001 (J)	0.0061 (J)
9/15/2021		0.00085 (J)	0.0061 (J)
9/16/2021	0.013 (J)		
1/26/2022		<0.03	0.008 (J)
1/27/2022	0.016 (J)		
8/24/2022			0.0073 (J)
8/25/2022	0.012 (J)	<0.03	
2/14/2023		<0.03	
2/15/2023	0.011 (J)		0.0057 (J)
9/19/2023			0.0064 (J)
9/20/2023	0.014 (J)	0.00088 (J)	
2/27/2024			0.007 (J)
2/28/2024		<0.03	
2/29/2024	0.012 (J)		
8/13/2024			0.0064 (J)
8/14/2024	0.012 (J)	<0.03	
3/12/2025	0.0157 (J)		0.00835 (J)
3/13/2025		<0.03	
Mean	0.01262	0.02076	0.006366
Std. Dev.	0.002723	0.01384	0.001078
Upper Lim.	0.01408	0.03	0.006945
Lower Lim.	0.01116	0.001	0.005787

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.0002	
9/1/2016	<0.0002		<0.0002
12/7/2016	6E-05 (J)	7E-05 (J)	<0.0002
3/21/2017		<0.0002	
3/22/2017	<0.0002		<0.0002
7/11/2017		<0.0002	
7/12/2017	<0.0002		<0.0002
10/18/2017		<0.0002	<0.0002
10/19/2017	<0.0002		
2/20/2018		<0.0002	
2/21/2018	5.3E-05 (J)		9.7E-05 (J)
7/11/2018		<0.0002	
7/12/2018	<0.0002		<0.0002
9/12/2018		<0.0002	
9/13/2018	<0.0002		<0.0002
8/21/2019		<0.0002	<0.0002
8/22/2019	<0.0002		
8/26/2020	<0.0002	0.00015 (J)	<0.0002
10/6/2020		<0.0002	
10/7/2020	<0.0002		<0.0002
3/3/2021		<0.0002	
3/4/2021	<0.0002		<0.0002
9/15/2021		<0.0002	<0.0002
9/16/2021	<0.0002		
1/26/2022		<0.0002	<0.0002
1/27/2022	<0.0002		
8/25/2022	<0.0002	<0.0002	<0.0002
2/14/2023		<0.0002	
2/15/2023	<0.0002		<0.0002
9/20/2023	<0.0002	<0.0002	<0.0002
2/28/2024	<0.0002		<0.0002
2/29/2024		<0.0002	
8/14/2024		<0.0002	<0.0002
8/15/2024	<0.0002		
3/12/2025		<0.0002	
3/13/2025	<0.0002		<0.0002
Mean	0.0001856	0.000191	0.0001948
Std. Dev.	4.418E-05	3.059E-05	2.303E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	6E-05	0.00015	9.7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	<0.0002		
9/7/2016		<0.0002	<0.0002
12/7/2016	<0.0002		
12/8/2016		<0.0002	<0.0002
3/22/2017	<0.0002	<0.0002	<0.0002
7/11/2017	<0.0002		
7/12/2017		<0.0002	<0.0002
10/18/2017	<0.0002	<0.0002	<0.0002
2/21/2018	6.8E-05 (J)	8.6E-05 (J)	5.7E-05 (J)
7/12/2018	<0.0002		
8/15/2018			<0.0002
8/16/2018		<0.0002	
9/13/2018	<0.0002		<0.0002
9/14/2018		<0.0002	
8/21/2019	<0.0002		
8/22/2019		<0.0002	<0.0002
8/26/2020	<0.0002	<0.0002	
8/27/2020			<0.0002
10/6/2020	<0.0002		
10/7/2020		<0.0002	<0.0002
3/4/2021	<0.0002	<0.0002	<0.0002
9/15/2021	<0.0002		
9/16/2021		<0.0002	<0.0002
1/26/2022	<0.0002		
1/27/2022		<0.0002	<0.0002
8/25/2022	<0.0002	<0.0002	<0.0002
2/15/2023	<0.0002		<0.0002
2/16/2023		<0.0002	
9/19/2023	<0.0002		
9/20/2023		<0.0002	<0.0002
2/29/2024	<0.0002	<0.0002	<0.0002
8/14/2024	<0.0002		<0.0002
8/15/2024		<0.0002	
3/12/2025	<0.0002	<0.0002	<0.0002
Mean	0.0001934	0.0001943	0.0001928
Std. Dev.	2.952E-05	2.549E-05	3.198E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	6.8E-05	8.6E-05	5.7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		<0.0002	
9/7/2016	<0.0002		
9/8/2016			<0.0002
12/7/2016		9E-05 (J)	
12/8/2016	<0.0002		<0.0002
3/21/2017		<0.0002	
3/22/2017			<0.0002
3/23/2017	<0.0002		
7/11/2017		<0.0002	<0.0002
7/12/2017	<0.0002		
10/18/2017		<0.0002	<0.0002
10/19/2017	<0.0002		
2/20/2018		<0.0002	
2/21/2018	4.5E-05 (J)		5.3E-05 (J)
7/11/2018		<0.0002	
7/12/2018	<0.0002		<0.0002
9/13/2018		<0.0002	<0.0002
9/14/2018	<0.0002		
8/21/2019		<0.0002	<0.0002
8/22/2019	<0.0002		
8/26/2020	0.0001 (J)	0.00017 (J)	<0.0002
10/6/2020		<0.0002	
10/7/2020	<0.0002		<0.0002
3/3/2021	<0.0002	<0.0002	<0.0002
9/15/2021		<0.0002	<0.0002
9/16/2021	<0.0002		
1/26/2022		<0.0002	<0.0002
1/27/2022	<0.0002		
8/24/2022			0.00018 (J)
8/25/2022	<0.0002	<0.0002	
10/11/2022			<0.0002
2/14/2023		<0.0002	
2/15/2023	<0.0002		<0.0002
9/19/2023			<0.0002
9/20/2023	<0.0002	<0.0002	
2/27/2024			<0.0002
2/28/2024		<0.0002	
2/29/2024	<0.0002		
8/13/2024			<0.0002
8/14/2024	<0.0002	<0.0002	
3/12/2025	<0.0002		<0.0002
3/13/2025		<0.0002	
Mean	0.0001872	0.000193	0.000192
Std. Dev.	4.025E-05	2.515E-05	3.216E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	0.0001	0.00017	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	<0.0002
3/23/2017	<0.0002
7/12/2017	<0.0002
10/19/2017	<0.0002
2/21/2018	4.3E-05 (J)
7/12/2018	<0.0002
9/14/2018	4.1E-05 (J)
10/4/2018	<0.0002
8/22/2019	<0.0002
8/26/2020	0.00011 (J)
10/7/2020	<0.0002
3/4/2021	<0.0002
9/16/2021	<0.0002
1/27/2022	<0.0002
8/24/2022	<0.0002
2/16/2023	<0.0002
9/21/2023	<0.0002
2/29/2024	<0.0002
8/15/2024	<0.0002
3/13/2025	<0.0002
Mean	0.0001797
Std. Dev.	5.119E-05
Upper Lim.	0.0002
Lower Lim.	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-14	PZ-15	PZ-16
8/31/2016	<0.01		
9/1/2016		<0.01	
9/6/2016			<0.01
12/7/2016	<0.01	<0.01	<0.01
3/21/2017	0.0005 (J)		
3/22/2017		0.0004 (J)	0.0004 (J)
7/11/2017	<0.01		<0.01
7/12/2017		<0.01	
10/18/2017	<0.01	<0.01	<0.01
2/20/2018	<0.01		
2/21/2018		<0.01	<0.01
7/11/2018	<0.01		
7/12/2018		<0.01	<0.01
9/12/2018	<0.01		
9/13/2018		<0.01	<0.01
8/21/2019	<0.01	<0.01	<0.01
10/2/2019	<0.01	<0.01	<0.01
3/25/2020	<0.01		
3/26/2020		<0.01	<0.01
8/26/2020	<0.01	<0.01	<0.01
10/6/2020	<0.01		<0.01
10/7/2020		<0.01	
3/3/2021	<0.01		
3/4/2021		<0.01	<0.01
9/15/2021	<0.01	<0.01	<0.01
1/26/2022	<0.01	<0.01	<0.01
8/25/2022	<0.01	<0.01	<0.01
2/14/2023	<0.01		
2/15/2023		<0.01	<0.01
9/19/2023			<0.01
9/20/2023	<0.01	<0.01	
2/28/2024		<0.01	
2/29/2024	<0.01		<0.01
8/14/2024	<0.01	<0.01	<0.01
3/12/2025	<0.01		<0.01
3/13/2025		<0.01	
Mean	0.009568	0.009564	0.009564
Std. Dev.	0.002025	0.002047	0.002047
Upper Lim.	0.01	0.01	0.01
Lower Lim.	0.0005	0.0004	0.0004

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-17	PZ-19	PZ-23A
8/31/2016			<0.01
9/7/2016	<0.01	0.0027 (J)	
12/7/2016			<0.01
12/8/2016	<0.01	0.0022 (J)	
3/21/2017			0.0006 (J)
3/22/2017	0.0004 (J)		
3/23/2017		0.0025 (J)	
7/11/2017			<0.01
7/12/2017	<0.01	0.0022 (J)	
10/18/2017	<0.01		<0.01
10/19/2017		0.0021 (J)	
2/20/2018			<0.01
2/21/2018	<0.01	<0.01	
7/11/2018			<0.01
7/12/2018		0.0022 (J)	
8/16/2018	<0.01		
9/13/2018			<0.01
9/14/2018	<0.01	0.0023 (J)	
8/21/2019			<0.01
8/22/2019	<0.01	0.0021 (J)	
9/10/2019			<0.01
10/2/2019	<0.01		
10/3/2019		0.0024 (J)	
3/25/2020	<0.01		0.0011 (J)
3/26/2020		0.0021 (J)	
8/26/2020	<0.01	0.002 (J)	<0.01
10/6/2020			<0.01
10/7/2020	<0.01	0.0019 (J)	
3/3/2021		0.0021 (J)	<0.01
3/4/2021	<0.01		
9/15/2021			<0.01
9/16/2021	<0.01	0.0021 (J)	
1/26/2022			<0.01
1/27/2022	<0.01	0.0022 (J)	
8/25/2022	<0.01	0.0017 (J)	<0.01
2/14/2023			<0.01
2/15/2023		0.0016 (J)	
2/16/2023	<0.01		
9/20/2023	<0.01	0.0019 (J)	<0.01
2/28/2024			<0.01
2/29/2024	<0.01	0.0018 (J)	
8/14/2024		0.0023 (J)	<0.01
8/15/2024	<0.01		
3/12/2025	<0.01	<0.01	
3/13/2025			<0.01
Mean	0.009564	0.002382	0.009168
Std. Dev.	0.002047	0.0008835	0.002693
Upper Lim.	0.01	0.0024	0.01
Lower Lim.	0.0004	0.002	0.0011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-25
9/8/2016	<0.01
12/8/2016	<0.01
3/22/2017	0.001 (J)
7/11/2017	<0.01
10/18/2017	<0.01
2/21/2018	<0.01
7/12/2018	<0.01
9/13/2018	<0.01
8/21/2019	0.0014 (J)
10/2/2019	<0.01
3/25/2020	<0.01
8/26/2020	<0.01
10/7/2020	<0.01
3/3/2021	<0.01
9/15/2021	<0.01
1/26/2022	<0.01
8/24/2022	<0.01
2/15/2023	<0.01
9/19/2023	<0.01
2/27/2024	<0.01
8/13/2024	<0.01
3/12/2025	<0.01
Mean	0.0092
Std. Dev.	0.00259
Upper Lim.	0.01
Lower Lim.	0.0014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		0.0012 (J)	
9/1/2016	<0.005		<0.005
12/7/2016	<0.005	<0.005	<0.005
3/21/2017		<0.005	
3/22/2017	<0.005		<0.005
7/11/2017		<0.005	
7/12/2017	<0.005		<0.005
10/18/2017		<0.005	<0.005
10/19/2017	<0.005		
2/20/2018		<0.005	
2/21/2018	<0.005		<0.005
7/11/2018		<0.005	
7/12/2018	<0.005		<0.005
9/12/2018		<0.005	
9/13/2018	<0.005		<0.005
8/21/2019		<0.005	<0.005
8/22/2019	<0.005		
10/2/2019		0.0015 (J)	<0.005
10/3/2019	0.0017 (J)		
3/25/2020		<0.005	
3/26/2020	<0.005		<0.005
8/26/2020	0.0018 (J)	<0.005	0.0018 (J)
10/6/2020		<0.005	
10/7/2020	<0.005		<0.005
3/3/2021		<0.005	
3/4/2021	0.0018 (J)		<0.005
9/15/2021		<0.005	<0.005
9/16/2021	<0.005		
1/26/2022		<0.005	<0.005
1/27/2022	0.0018 (J)		
8/25/2022	0.0017 (J)	<0.005	<0.005
2/14/2023		<0.005	
2/15/2023	0.0017 (J)		<0.005
9/20/2023	0.0015 (J)	<0.005	<0.005
2/28/2024	0.0019 (J)		<0.005
2/29/2024		<0.005	
8/14/2024		<0.005	<0.005
8/15/2024	0.0011 (J)		
3/12/2025		<0.005	
3/13/2025	<0.005		<0.005
Mean	0.003636	0.004668	0.004855
Std. Dev.	0.001684	0.001075	0.0006822
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0018	0.0015	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-18	PZ-19	PZ-23A
8/31/2016			0.0014 (J)
9/7/2016	<0.005	<0.01	
12/7/2016			<0.01
12/8/2016	<0.005	<0.01	
3/21/2017			<0.01
3/22/2017	<0.005		
3/23/2017		<0.01	
7/11/2017			<0.01
7/12/2017	<0.005	<0.01	
10/18/2017	<0.005		<0.01
10/19/2017		<0.01	
2/20/2018			<0.01
2/21/2018	<0.005	<0.01	
7/11/2018			<0.01
7/12/2018		<0.01	
8/15/2018	<0.005		
9/13/2018	<0.005		<0.01
9/14/2018		0.0015 (J)	
8/21/2019			0.0022 (J)
8/22/2019	<0.005	<0.01	
9/10/2019			0.0018 (J)
10/3/2019	<0.005	0.0034 (J)	
3/25/2020			0.003 (J)
3/26/2020	<0.005	0.0016 (J)	
8/26/2020		0.0031 (J)	0.0026 (J)
8/27/2020	<0.005		
10/6/2020			0.0027 (J)
10/7/2020	<0.005	0.0035 (J)	
3/3/2021		0.0033 (J)	0.0025 (J)
3/4/2021	<0.005		
9/15/2021			0.0024 (J)
9/16/2021	<0.005	0.0033 (J)	
1/26/2022			0.0023 (J)
1/27/2022	<0.005	0.005	
8/25/2022	<0.005	0.0019 (J)	0.0023 (J)
2/14/2023			0.0015 (J)
2/15/2023	<0.005	0.0036 (J)	
9/20/2023	<0.005	0.0024 (J)	0.0023 (J)
2/28/2024			0.0018 (J)
2/29/2024	<0.005	0.0043 (J)	
8/14/2024	<0.005	0.0053	0.0019 (J)
3/12/2025	0.0014 (J)	0.0022 (J)	
3/13/2025			0.0017 (J)
Mean	0.004836	0.005655	0.004655
Std. Dev.	0.0007675	0.003487	0.003756
Upper Lim.	0.005	0.01	0.01
Lower Lim.	0.0014	0.0031	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals
Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-7D	PZ-14	PZ-15
8/31/2016		<0.001	
9/1/2016	<0.001		<0.001
12/7/2016	<0.001	<0.001	<0.001
3/21/2017		6E-05 (J)	
3/22/2017	0.0002 (J)		<0.001
7/11/2017		<0.001	
7/12/2017	0.0001 (J)		<0.001
10/18/2017		<0.001	<0.001
10/19/2017	0.0001 (J)		
2/20/2018		<0.001	
2/21/2018	<0.001		<0.001
7/11/2018		<0.001	
7/12/2018	<0.001		<0.001
9/12/2018		<0.001	
9/13/2018	<0.001		<0.001
8/21/2019		<0.001	0.00022 (J)
8/22/2019	8.6E-05 (J)		
10/2/2019		<0.001	0.00016 (J)
10/3/2019	7.8E-05 (J)		
3/25/2020		<0.001	
3/26/2020	8.5E-05 (J)		0.00014 (J)
8/26/2020	<0.001	<0.001	0.00027 (J)
10/6/2020		<0.001	
10/7/2020	<0.001		0.00022 (J)
3/3/2021		<0.001	
3/4/2021	<0.001		0.00022 (J)
9/15/2021		<0.001	0.0002 (J)
9/16/2021	<0.001		
1/26/2022		<0.001	<0.001
1/27/2022	<0.001		
8/25/2022	<0.001	<0.001	<0.001
2/14/2023		<0.001	
2/15/2023	<0.001		<0.001
9/20/2023	<0.001	<0.001	<0.001
2/28/2024	<0.001		<0.001
2/29/2024		<0.001	
8/14/2024		<0.001	<0.001
8/15/2024	<0.001		
3/12/2025		<0.001	
3/13/2025	<0.001		<0.001
Mean	0.0007568	0.0009573	0.0007468
Std. Dev.	0.0004072	0.0002004	0.00038
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.0002	6E-05	0.00022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-16	PZ-17	PZ-18
9/6/2016	<0.001		
9/7/2016		<0.001	<0.001
12/7/2016	<0.001		
12/8/2016		<0.001	<0.001
3/22/2017	0.0002 (J)	<0.001	4E-05 (J)
7/11/2017	0.0002 (J)		
7/12/2017		<0.001	<0.001
10/18/2017	0.0002 (J)	<0.001	5E-05 (J)
2/21/2018	0.00018 (J)	<0.001	<0.001
7/12/2018	<0.001		
8/15/2018			<0.001
8/16/2018		<0.001	
9/13/2018	0.00017 (J)		<0.001
9/14/2018		<0.001	
8/21/2019	5.7E-05 (J)		
8/22/2019		0.00018 (J)	7E-05 (J)
10/2/2019	5.3E-05 (J)	0.00016 (J)	
10/3/2019			<0.001
3/25/2020		0.0002 (J)	
3/26/2020	<0.001		7.1E-05 (J)
8/26/2020	<0.001	0.00025 (J)	
8/27/2020			<0.001
10/6/2020	<0.001		
10/7/2020		0.00022 (J)	<0.001
3/4/2021	<0.001	0.00039 (J)	<0.001
9/15/2021	<0.001		
9/16/2021		0.00034 (J)	<0.001
1/26/2022	<0.001		
1/27/2022		0.00038 (J)	<0.001
8/25/2022	<0.001	0.00037 (J)	<0.001
2/15/2023	<0.001		<0.001
2/16/2023		0.00038 (J)	
9/19/2023	<0.001		
9/20/2023		0.00024 (J)	<0.001
2/29/2024	<0.001	<0.001	<0.001
8/14/2024	<0.001		<0.001
8/15/2024		<0.001	
3/12/2025	<0.001	0.00035 (J)	<0.001
Mean	0.00073	0.0006118	0.0008287
Std. Dev.	0.0004061	0.0003682	0.000372
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.0002	0.00025	7.1E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-19	PZ-23A	PZ-25
8/31/2016		<0.001	
9/7/2016	<0.001		
9/8/2016			<0.001
12/7/2016		0.0002 (J)	
12/8/2016	0.0003 (J)		<0.001
3/21/2017		0.0003 (J)	
3/22/2017			<0.001
3/23/2017	0.0003 (J)		
7/11/2017		0.0002 (J)	<0.001
7/12/2017	0.0004 (J)		
10/18/2017		0.0001 (J)	<0.001
10/19/2017	0.0005 (J)		
2/20/2018		0.00026 (J)	
2/21/2018	0.00049 (J)		<0.001
7/11/2018		0.00018 (J)	
7/12/2018	0.00077 (J)		<0.001
9/13/2018		<0.001	<0.001
9/14/2018	0.00076 (J)		
8/21/2019		0.00016 (J)	0.00046 (J)
8/22/2019	0.00055 (J)		
9/10/2019		<0.001	
10/2/2019			0.00024 (J)
10/3/2019	0.00071 (J)		
3/25/2020		0.00015 (J)	0.00037 (J)
3/26/2020	0.00068 (J)		
8/26/2020	0.00056 (J)	0.00016 (J)	0.00037 (J)
10/6/2020		<0.001	
10/7/2020	0.0007 (J)		0.00027 (J)
3/3/2021	0.00072 (J)	0.00017 (J)	0.00036 (J)
9/15/2021		<0.001	0.00066 (J)
9/16/2021	0.00066 (J)		
1/26/2022		<0.001	0.00039 (J)
1/27/2022	0.00063 (J)		
8/24/2022			0.00048 (J)
8/25/2022	0.00053 (J)	<0.001	
2/14/2023		<0.001	
2/15/2023	0.00051 (J)		0.00045 (J)
9/19/2023			0.00061 (J)
9/20/2023	0.00052 (J)	<0.001	
2/27/2024			0.00065 (J)
2/28/2024		<0.001	
2/29/2024	0.0005 (J)		
8/13/2024			0.0008 (J)
8/14/2024	0.00045 (J)	<0.001	
3/12/2025	0.00054 (J)		0.00075 (J)
3/13/2025		<0.001	
Mean	0.0005582	0.0006309	0.0006755
Std. Dev.	0.0001337	0.0004155	0.0002867
Upper Lim.	0.0006299	0.001	0.001
Lower Lim.	0.0004864	0.00018	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/19/2025 3:48 PM View: Confidence Intervals

Plant Mitchell Client: Southern Company Data: Mitchell AP

	PZ-33
12/8/2016	<0.001
3/23/2017	0.0001 (J)
7/12/2017	0.0001 (J)
10/19/2017	0.0001 (J)
2/21/2018	<0.001
7/12/2018	<0.001
9/14/2018	<0.001
10/4/2018	<0.001
8/22/2019	0.00017 (J)
10/3/2019	0.00018 (J)
3/26/2020	0.00015 (J)
8/26/2020	<0.001
10/7/2020	<0.001
3/4/2021	<0.001
9/16/2021	<0.001
1/27/2022	<0.001
8/24/2022	<0.001
2/16/2023	<0.001
9/21/2023	<0.001
2/29/2024	<0.001
8/15/2024	<0.001
3/13/2025	<0.001
Mean	0.0007636
Std. Dev.	0.0003955
Upper Lim.	0.001
Lower Lim.	0.00018

ND substitution: RL or RL/2 if <15% NDs.

WSP